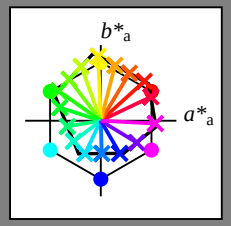
Input and output:
Colorimetric Printer Reflective System ORS18_95aM
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.97

ORS18_95aM; adapted (a) CIELAB data

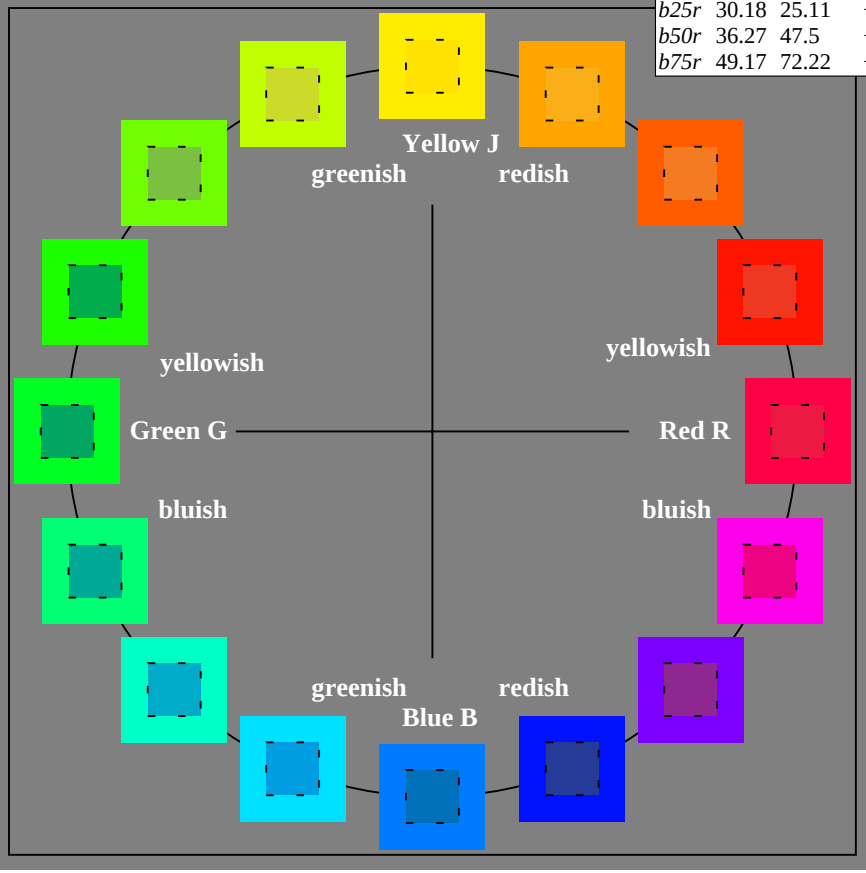
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

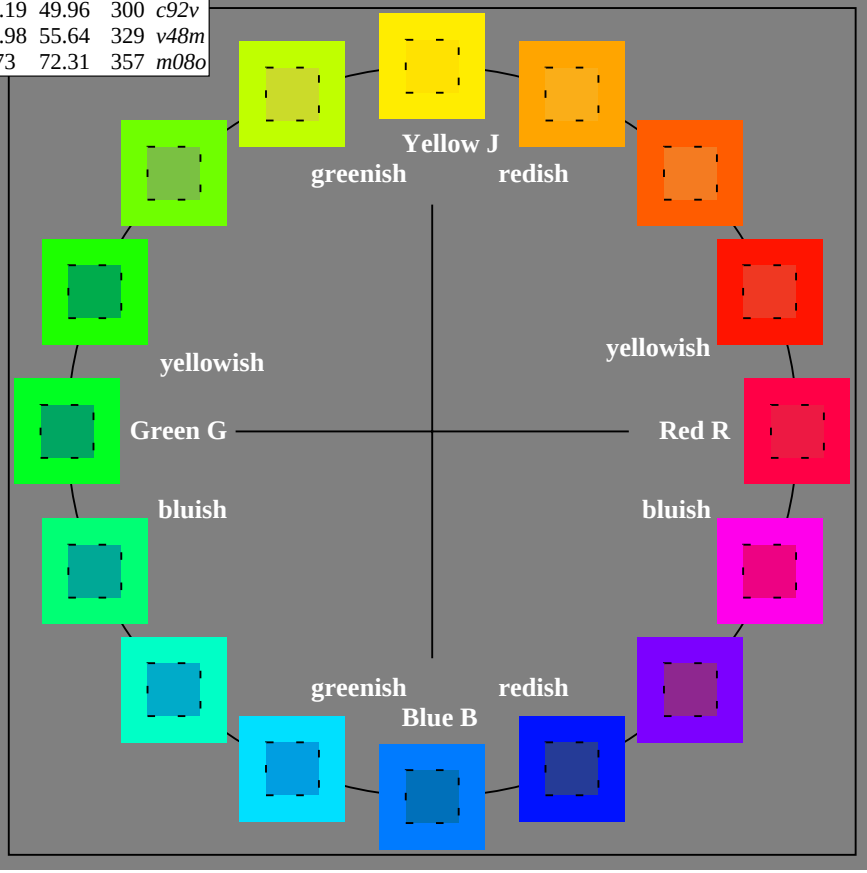


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ $u^*_e = r00j$

data for any colour:

lab*tch* **and** ***lab*icu****

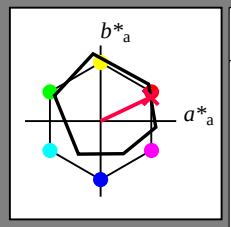
Hue texts:

$u^*_e = r00j$ $u^*_d = m72o$

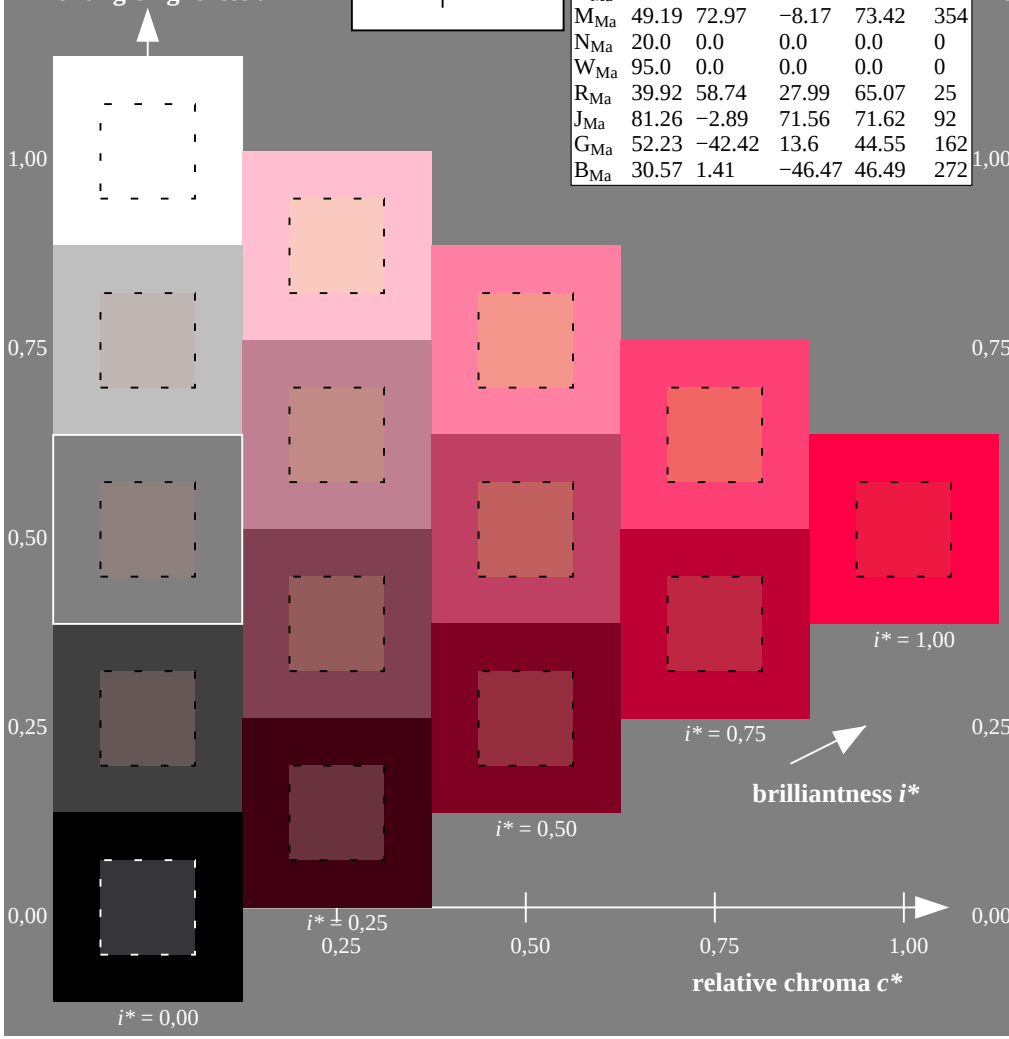
contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 49 66 32**

LAB*LCH*$_{Ma}$**: 49 73 25**

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

lab*olv*$_{Ma}$**: 1.0 0.0 0.28**

triangle lightness *t**

%Gamut

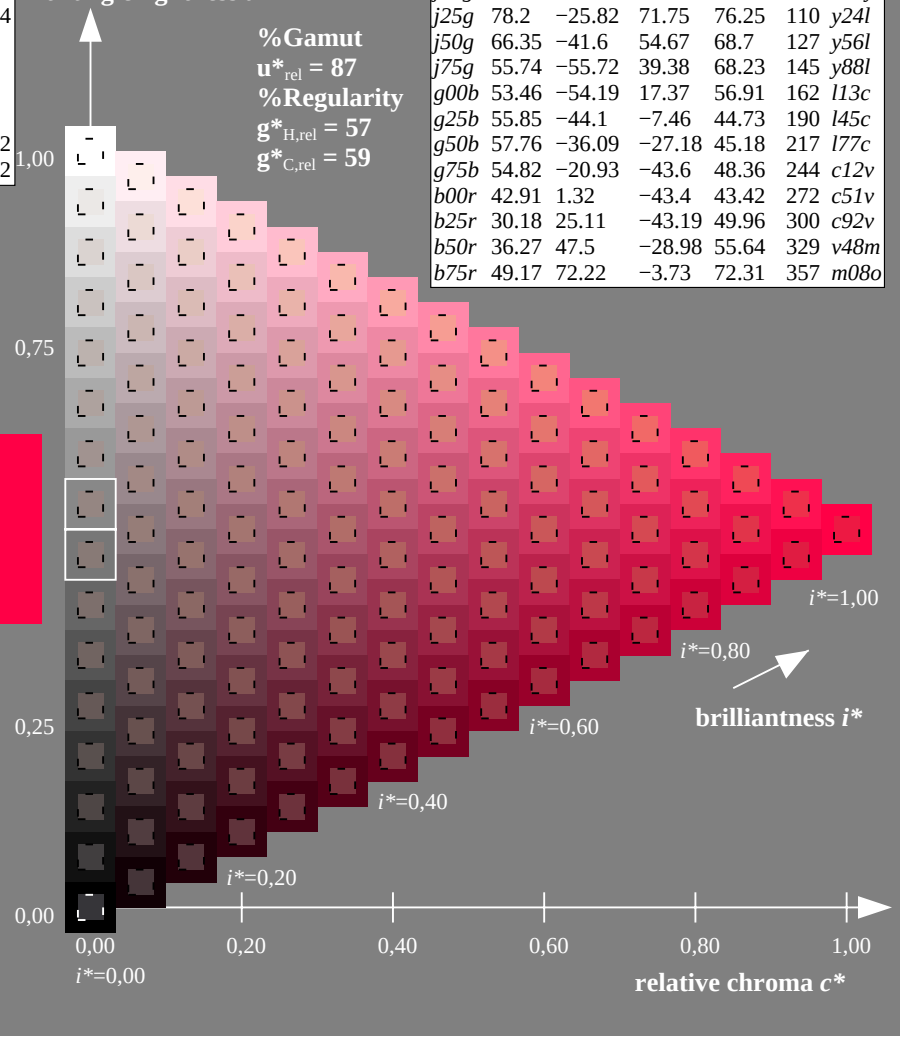
$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ $u^*_e = r25j$

data for any colour:

lab*tch* **and** ***lab*icu****

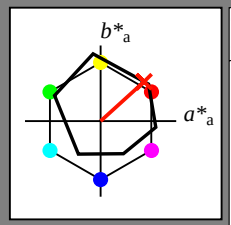
Hue texts:

$u^*_e = r25j$ $u^*_d = o08y$

contrast reduction factor:

$c_R = 0.97$

triangle lightness ***t****



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 52 57 52**

LAB*LCH*$_{Ma}$**: 52 78 42**

lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**

lab*olv*$_{Ma}$**: 1.0 0.08 0.0**

triangle lightness ***t****

%Gamut

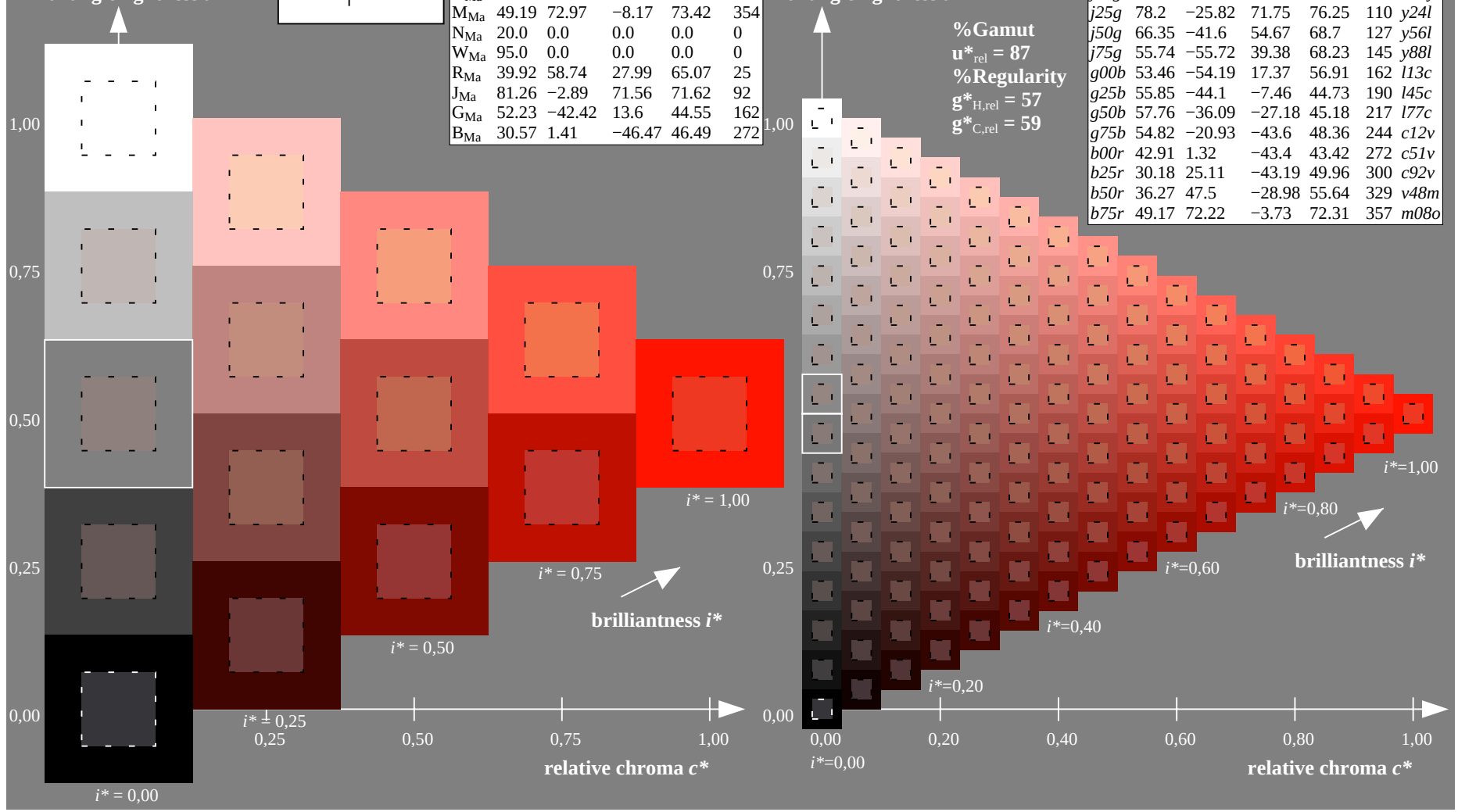
$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ $u^*_e = r50j$

data for any colour:

*lab*tch** **and** *lab*icu**

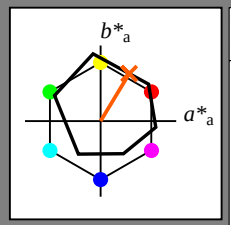
Hue texts:

$u^*_e = r50j$ $u^*_d = o36y$

contrast reduction factor:

$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 63 38 63

$LAB^*LCH^*_{Ma}$: 63 73 58

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

$lab^*olv^*_{Ma}$: 1.0 0.36 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

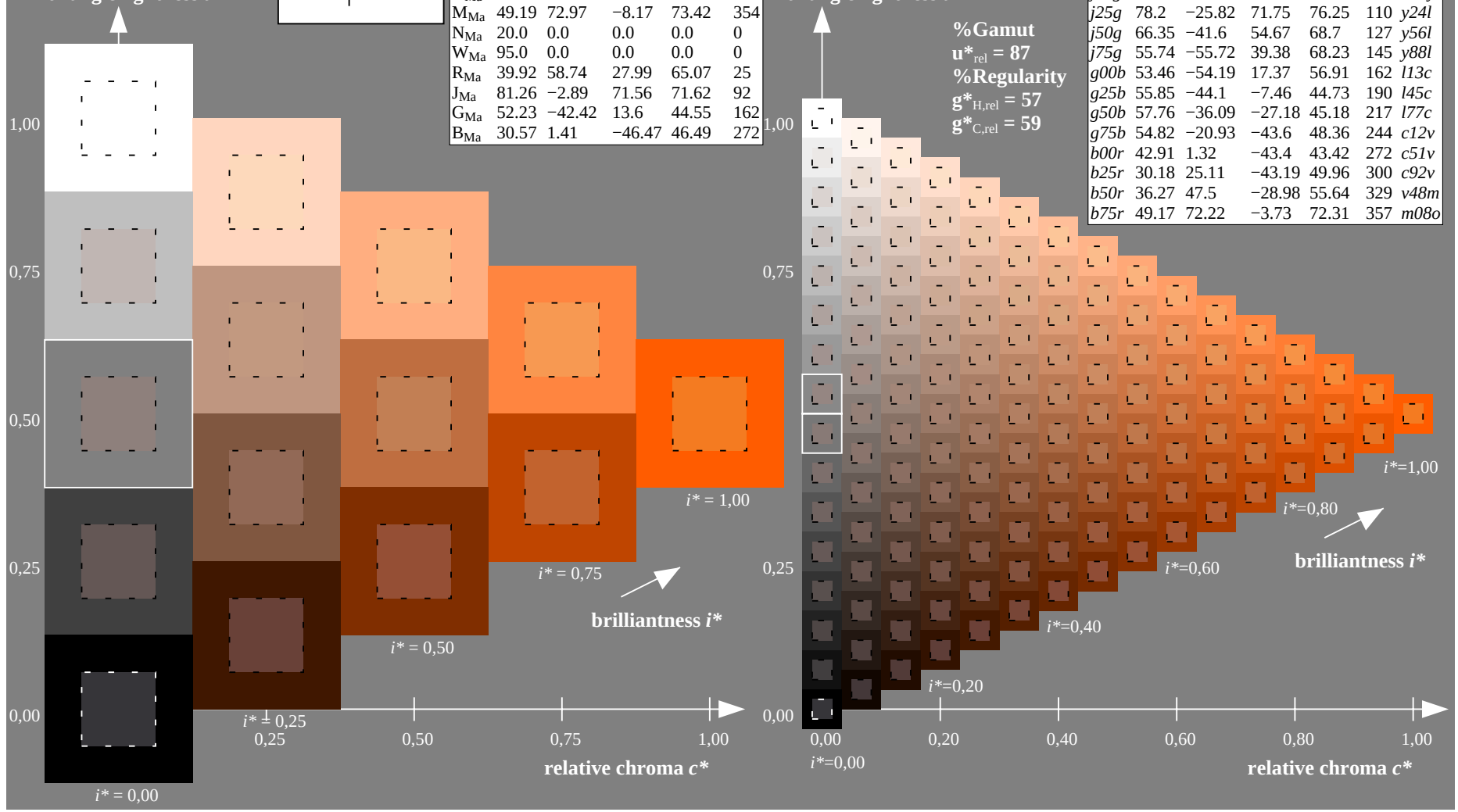
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ $u^*_e = r75j$

data for any colour:

lab*tch* **and** ***lab*icu****

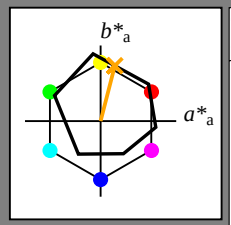
Hue texts:

$u^*_e = r75j$ $u^*_d = o64y$

contrast reduction factor:

$c_R = 0.97$

triangle lightness ***t****



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 74 19 73**

LAB*LCH*$_{Ma}$**: 74 76 75**

lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**

lab*olv*$_{Ma}$**: 1.0 0.65 0.0**

triangle lightness ***t****

%Gamut

u^*_{rel} = 87

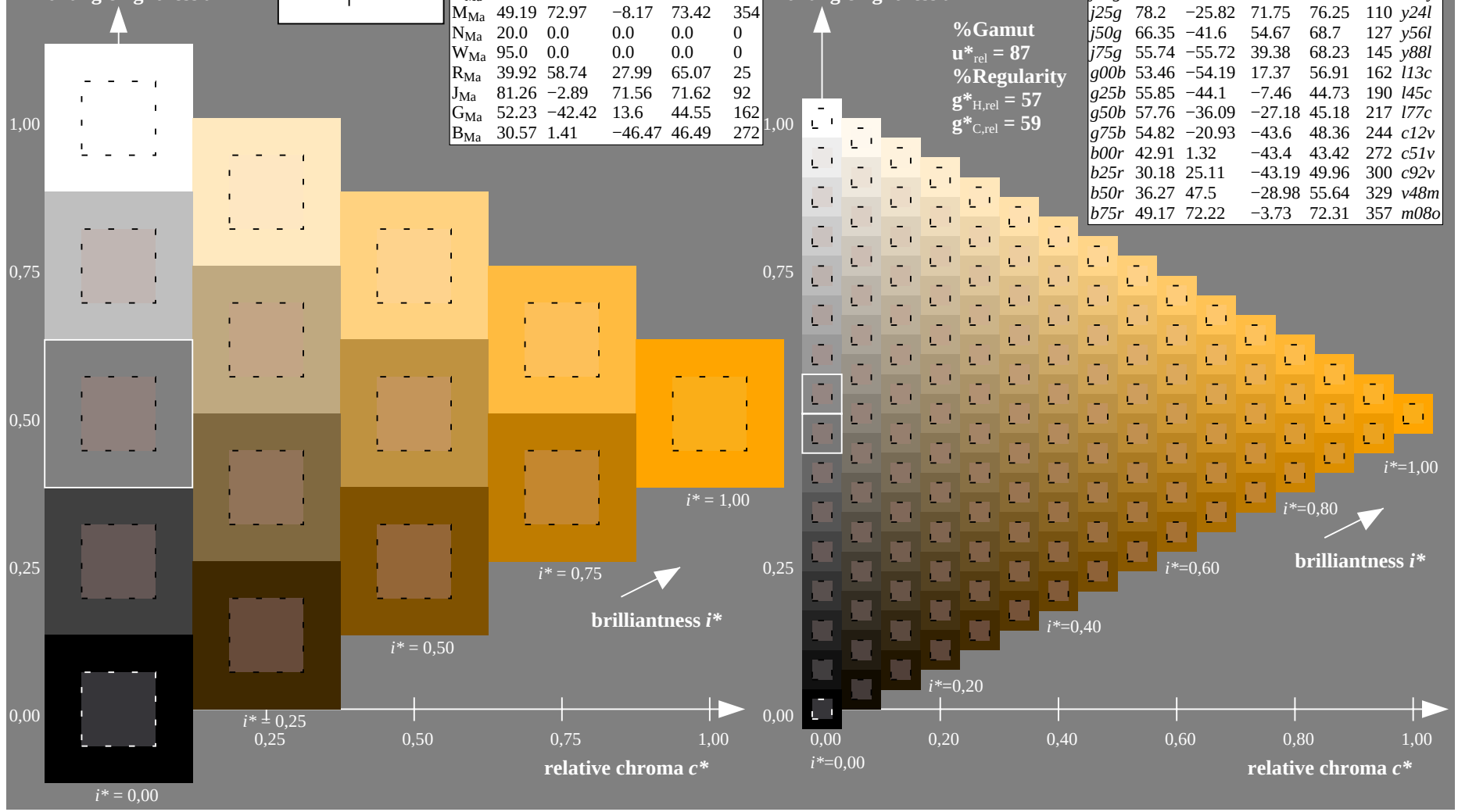
%Regularity

$g^*_{H,rel}$ = 57

$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ $u^*_e = j00g$

data for any colour:

lab*tch* **and** ***lab*icu****

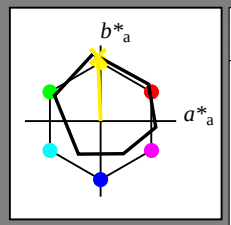
Hue texts:

$u^*_e = j00g$ $u^*_d = o92y$

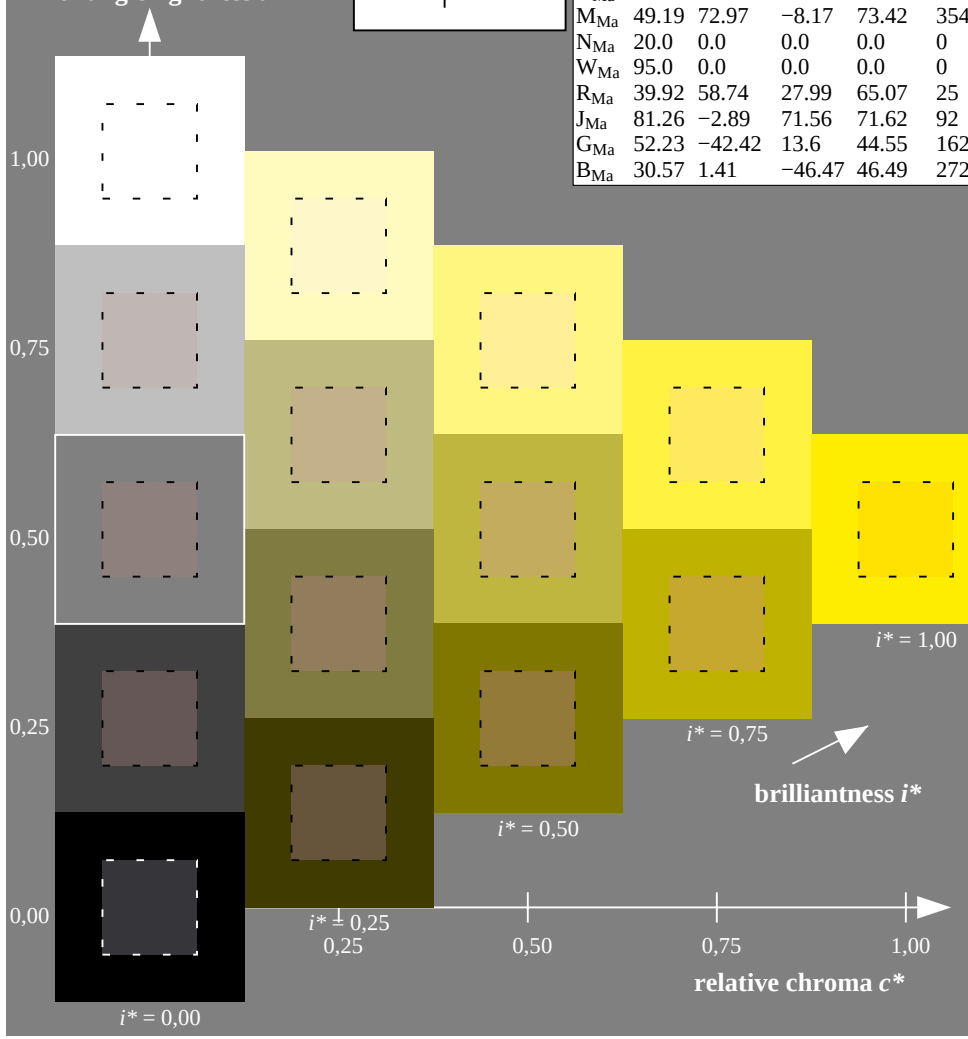
contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 86 −3 85**

LAB*LCH*$_{Ma}$**: 86 85 92**

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

lab*olv*$_{Ma}$**: 1.0 0.93 0.0**

triangle lightness *t**

%Gamut

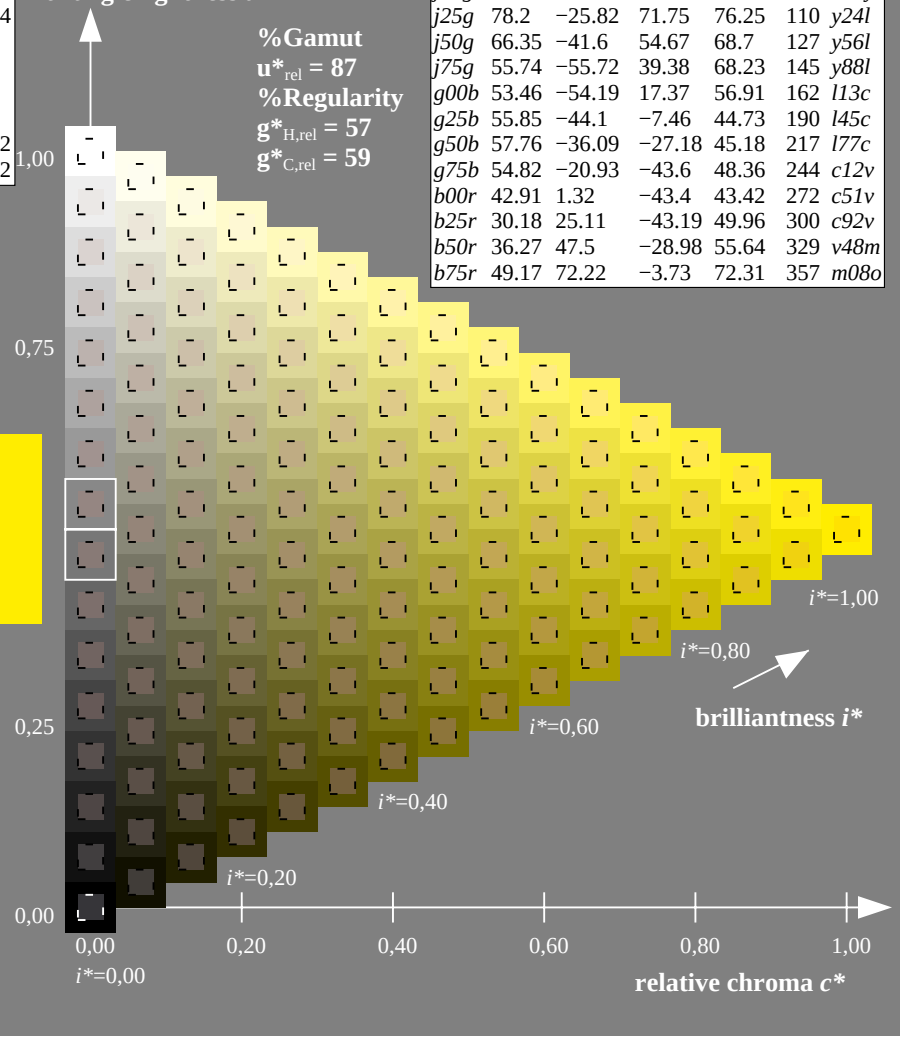
$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ $u^*_e = j25g$

data for any colour:

lab*tch* **and** ***lab*icu****

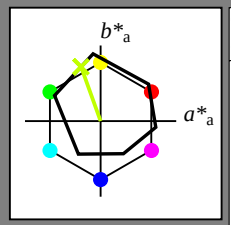
Hue texts:

$u^*_e = j25g$ $u^*_d = y24l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness ***t****



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 78 −26 72**

LAB*LCH*$_{Ma}$**: 78 76 109**

lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**

lab*olv*$_{Ma}$**: 0.75 1.0 0.0**

triangle lightness ***t****

%Gamut

$u^*_{rel} = 87$

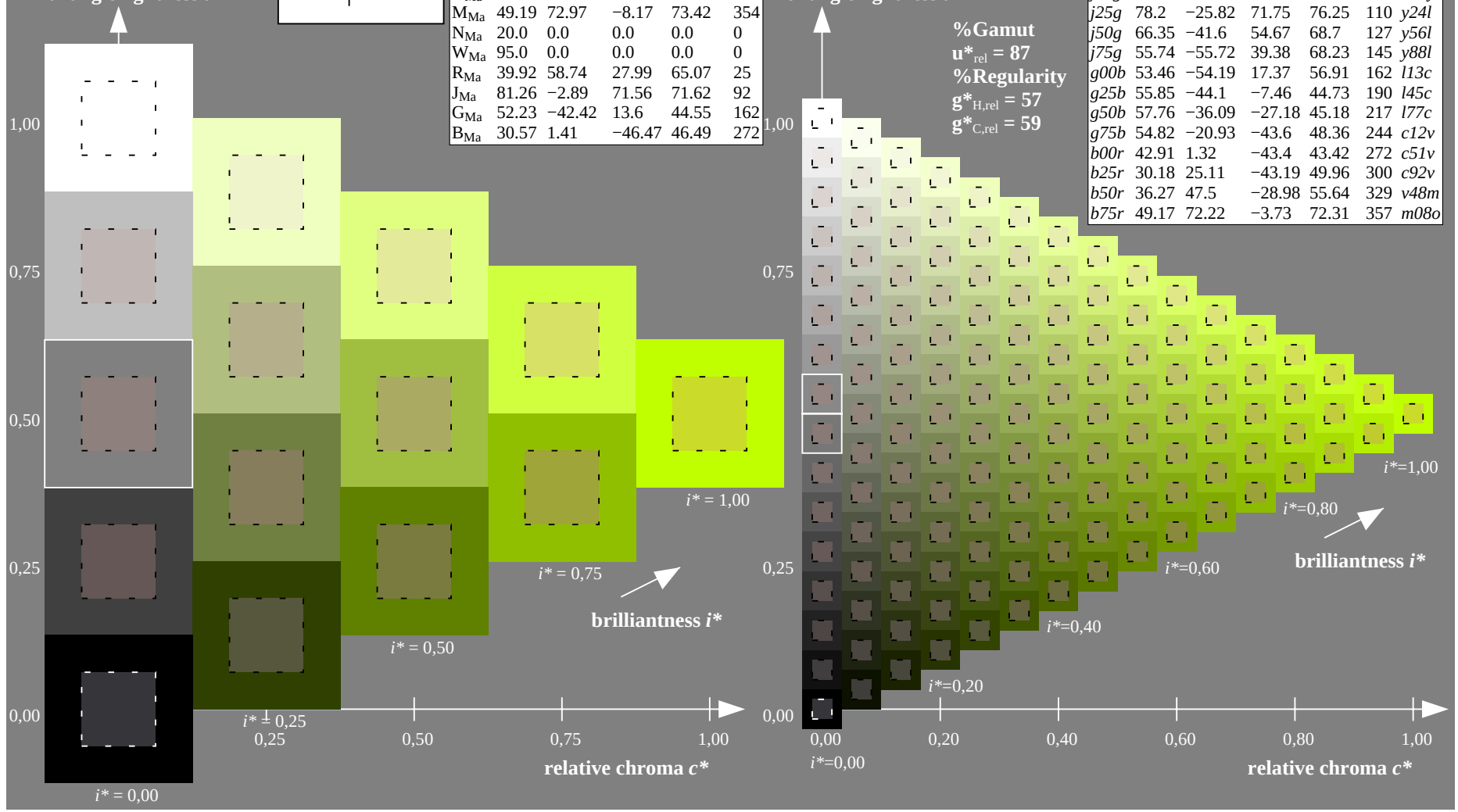
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ $u^*_e = j50g$

data for any colour:

lab*tch* **and** ***lab*icu****

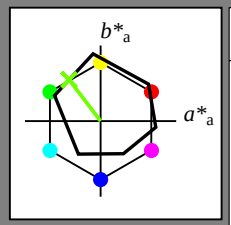
Hue texts:

$u^*_e = j50g$ $u^*_d = y56l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 66 −42 55**

LAB*LCH*$_{Ma}$**: 66 69 127**

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

lab*olv*$_{Ma}$**: 0.43 1.0 0.0**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

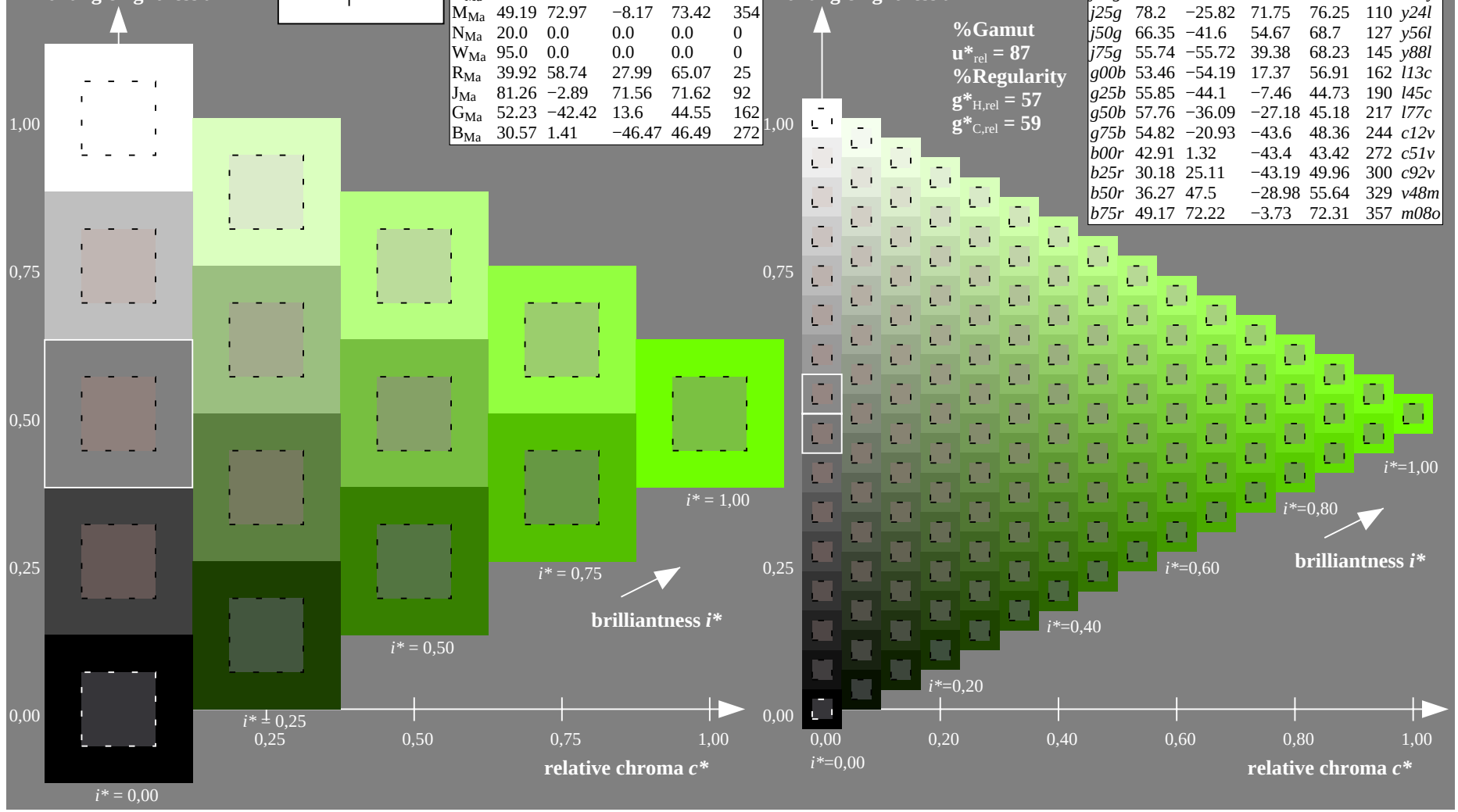
%Regularity

$g^*_{H,rel}$ = 57

$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ $u^*_e = j75g$

data for any colour:

lab*tch* **and** ***lab*icu****

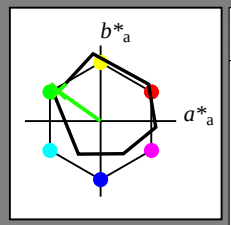
Hue texts:

$u^*_e = j75g$ $u^*_d = y88l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 56 −56 39**

LAB*LCH*$_{Ma}$**: 56 68 144**

lab*rgb*$_{Ma}$**: 0.25 1.0 0.0**

lab*olv*$_{Ma}$**: 0.11 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

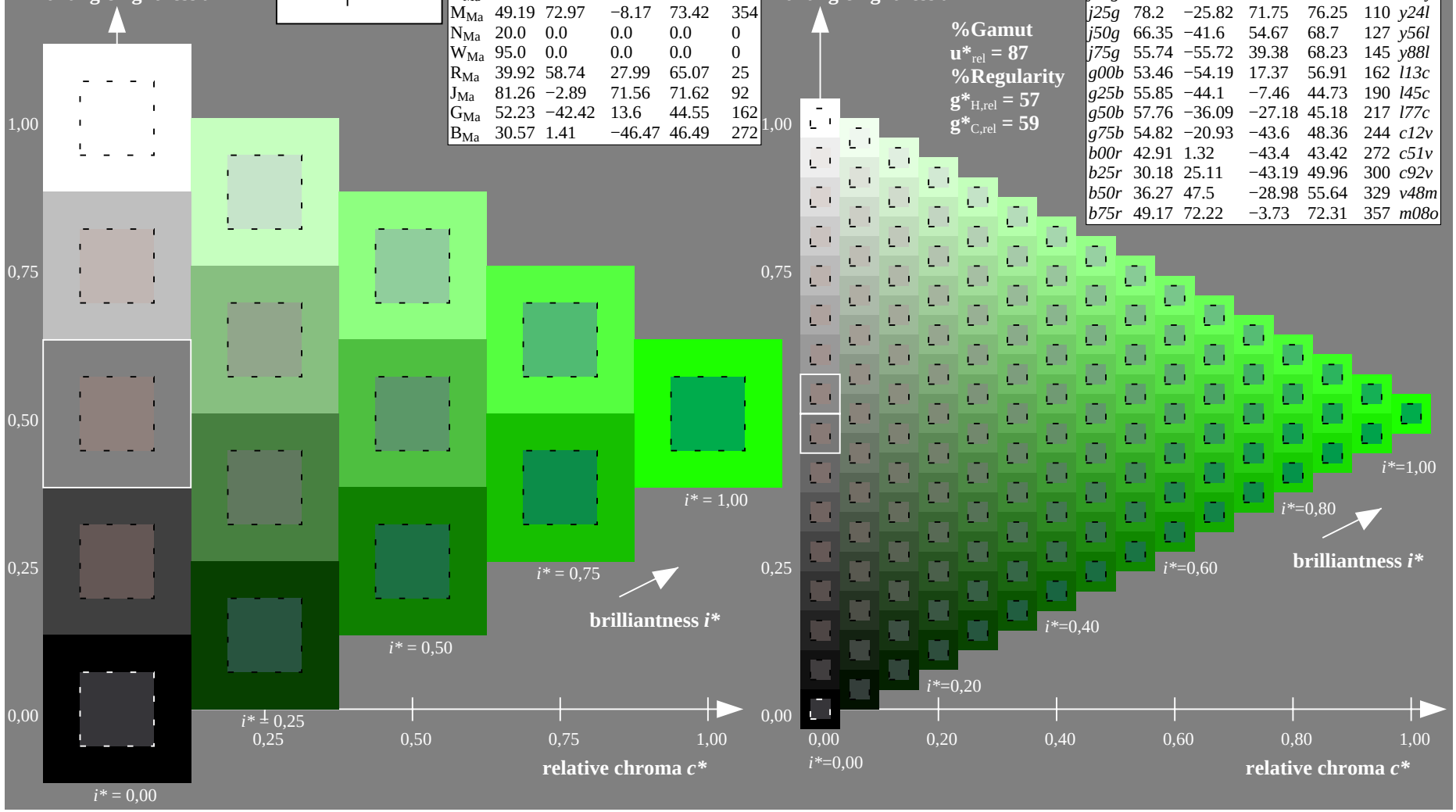
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

lab*tch* **and** ***lab*icu****

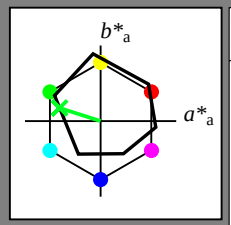
Hue texts:

$u^*_e = g00b$ $u^*_d = l13c$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 53 −54 17**

LAB*LCH*$_{Ma}$**: 53 57 162**

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

lab*olv*$_{Ma}$**: 0.0 1.0 0.13**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

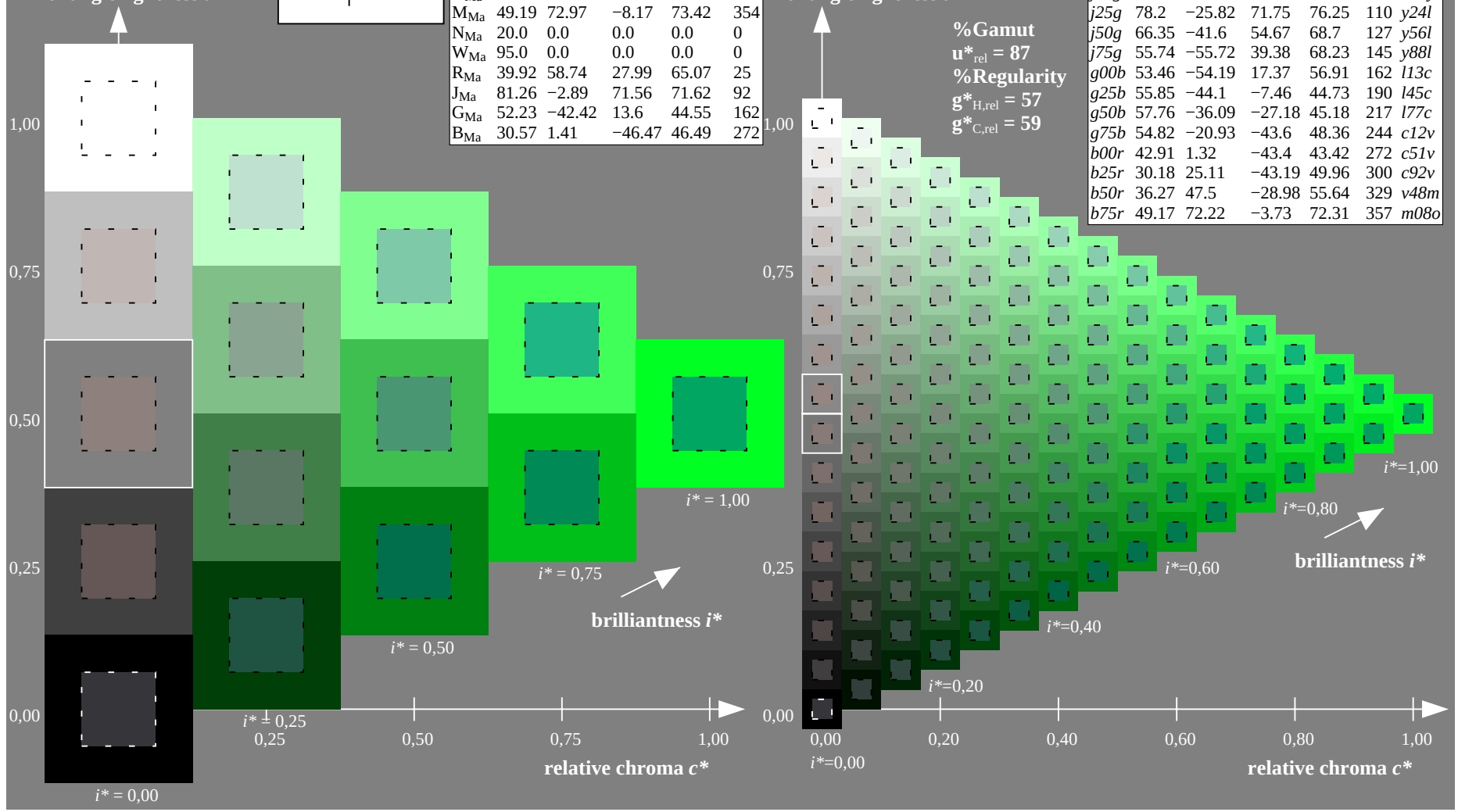
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

lab*tch* **and** ***lab*icu****

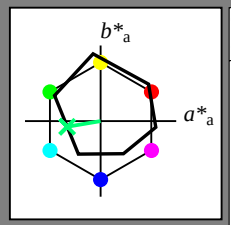
Hue texts:

$u^*_e = g25b$ $u^*_d = l45c$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 56 −44 −7**

LAB*LCH*$_{Ma}$**: 56 45 189**

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

lab*olv*$_{Ma}$**: 0.0 1.0 0.45**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

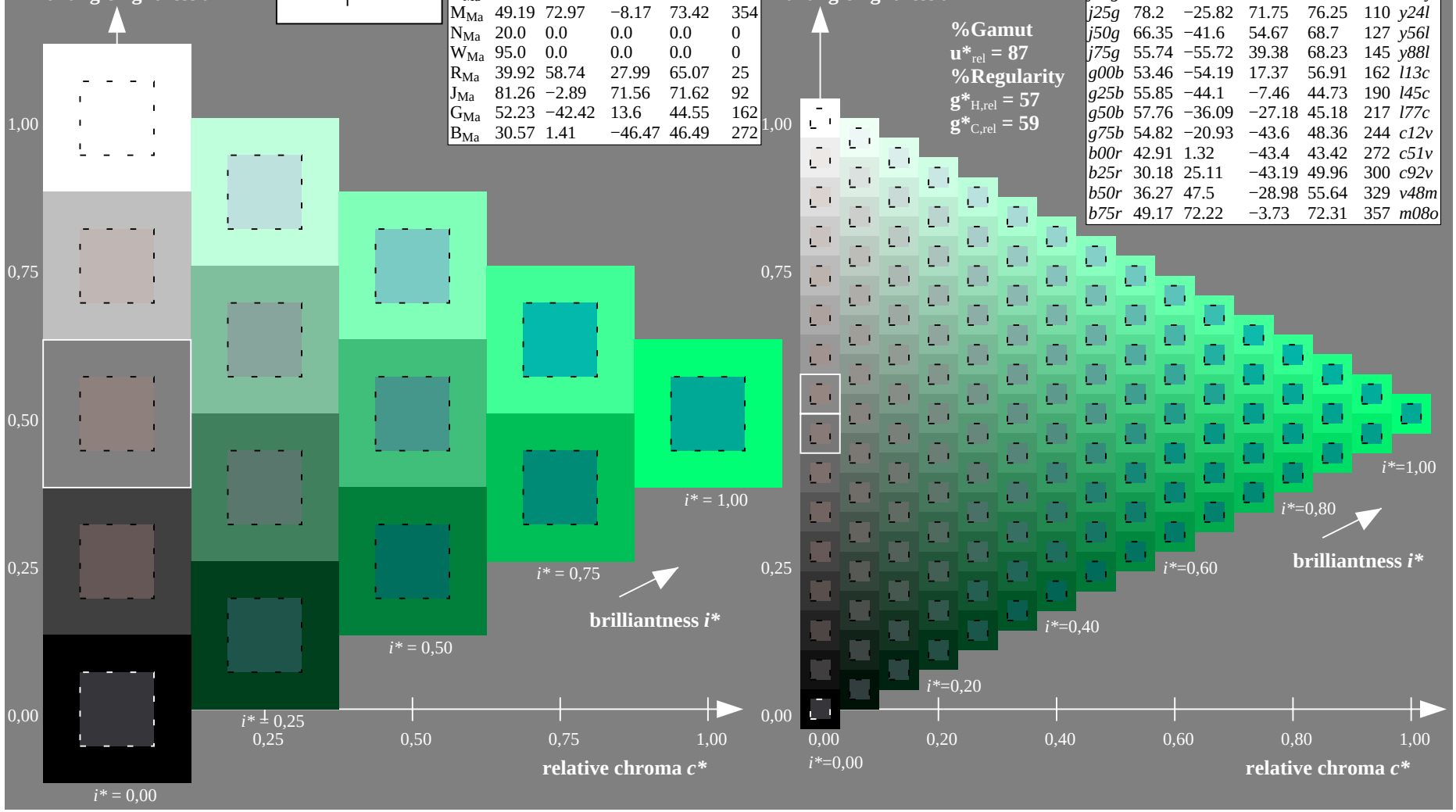
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** **and** *lab*icu**

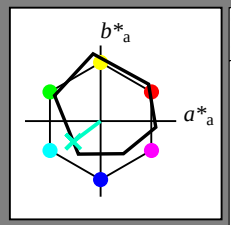
Hue texts:

$u^*_e = g50b$ $u^*_d = l77c$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 −36 −27

$LAB^*LCH^*_{Ma}$: 58 45 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.78

triangle lightness *t**

%Gamut

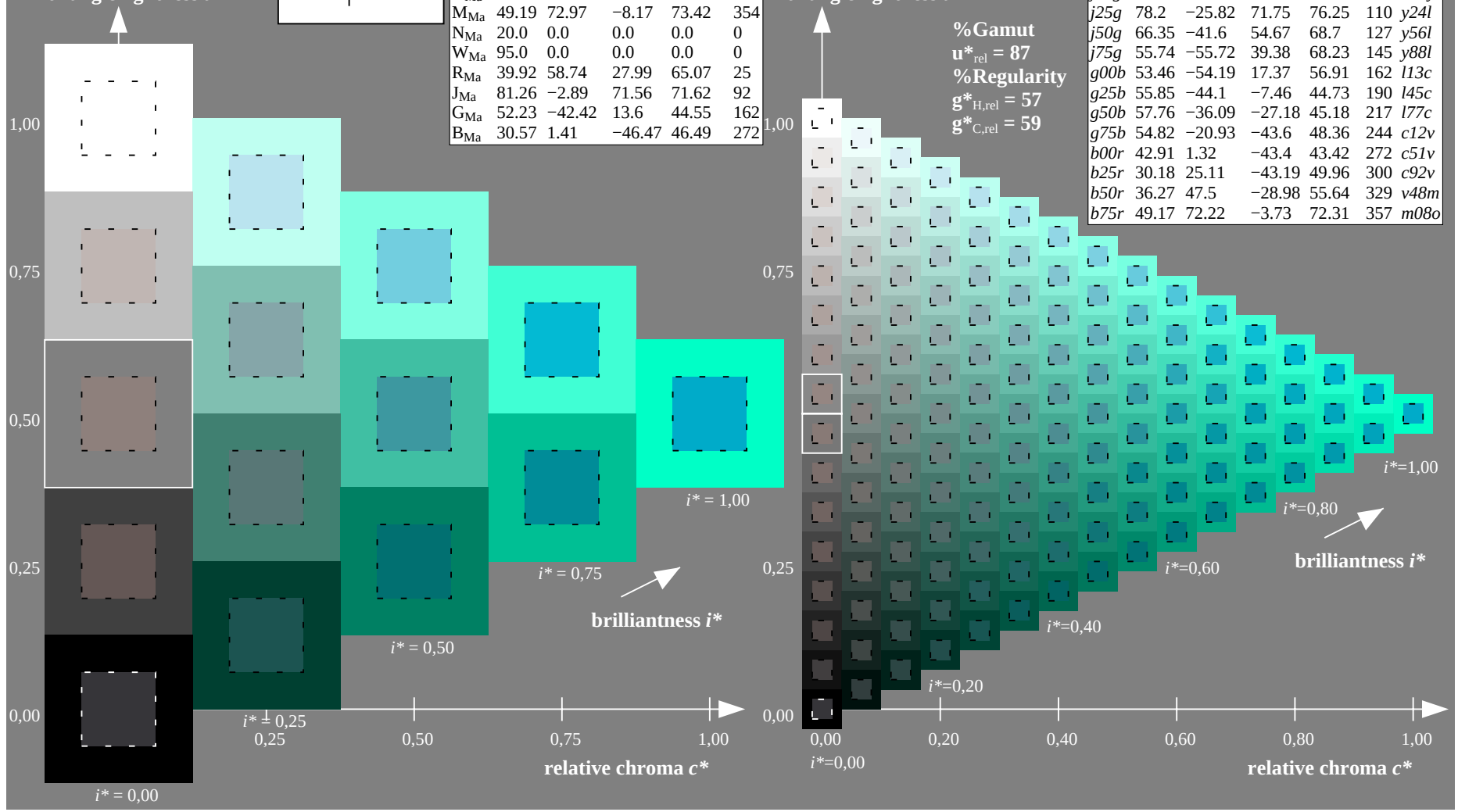
$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

lab*tch* **and** ***lab*icu****

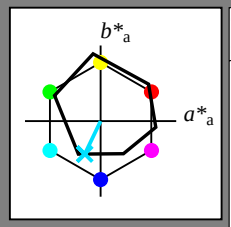
Hue texts:

$u^*_e = g75b$ $u^*_d = c12v$

contrast reduction factor:

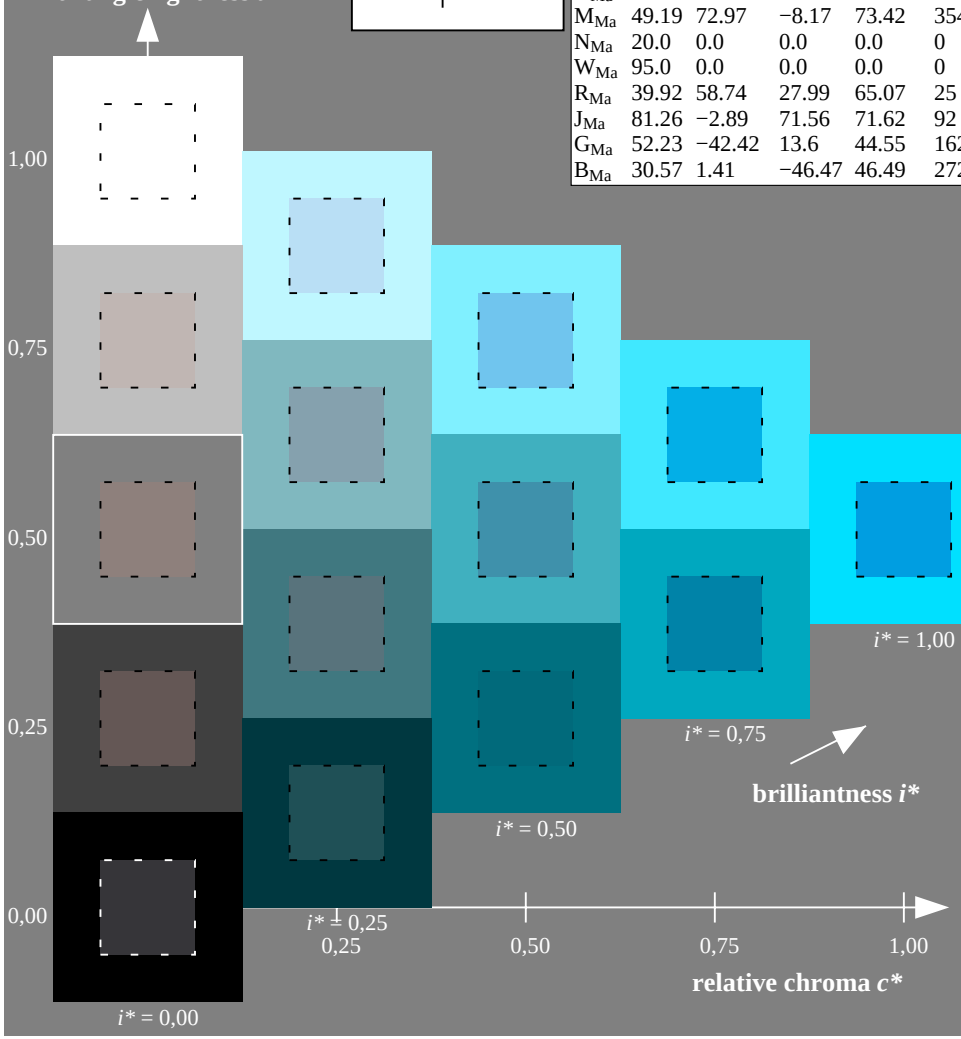
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 55 −21 −44**

LAB*LCH*$_{Ma}$**: 55 48 244**

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

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

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

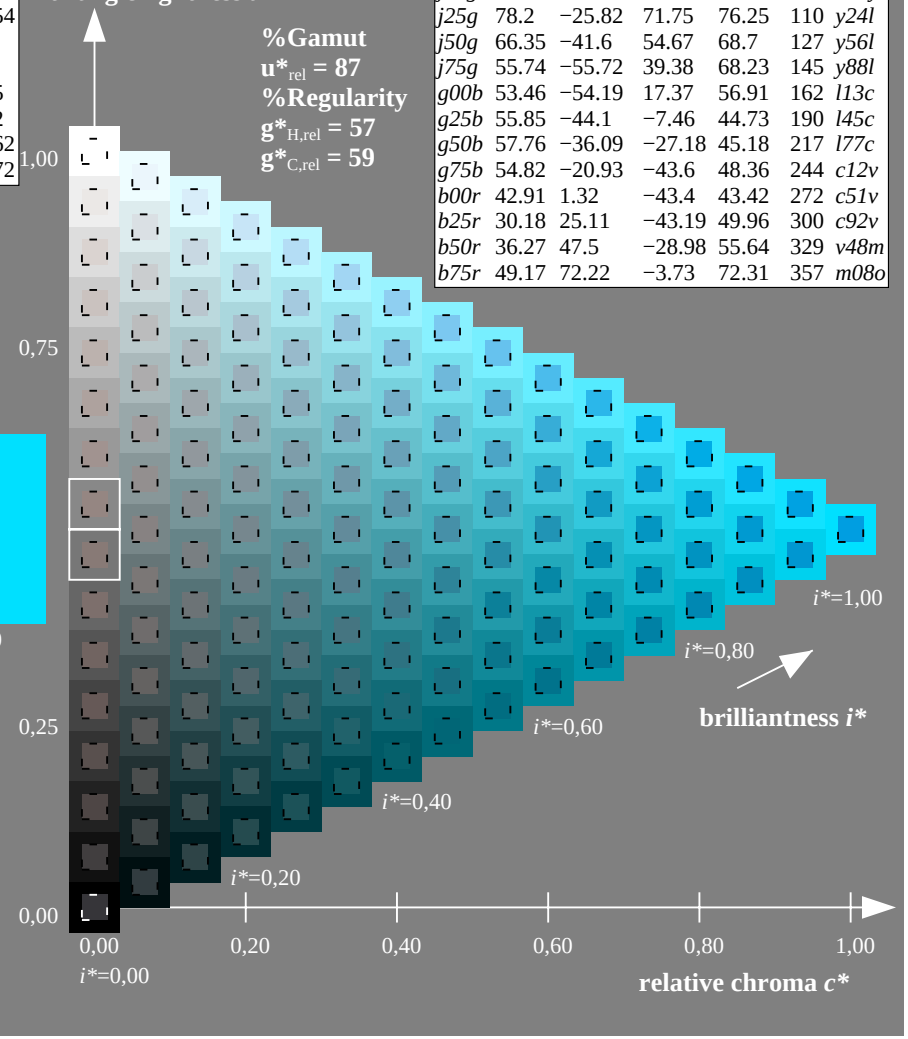
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

lab*tch* **and** ***lab*icu****

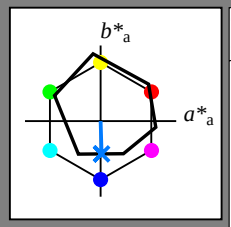
Hue texts:

$u^*_e = b00r$ $u^*_d = c51v$

contrast reduction factor:

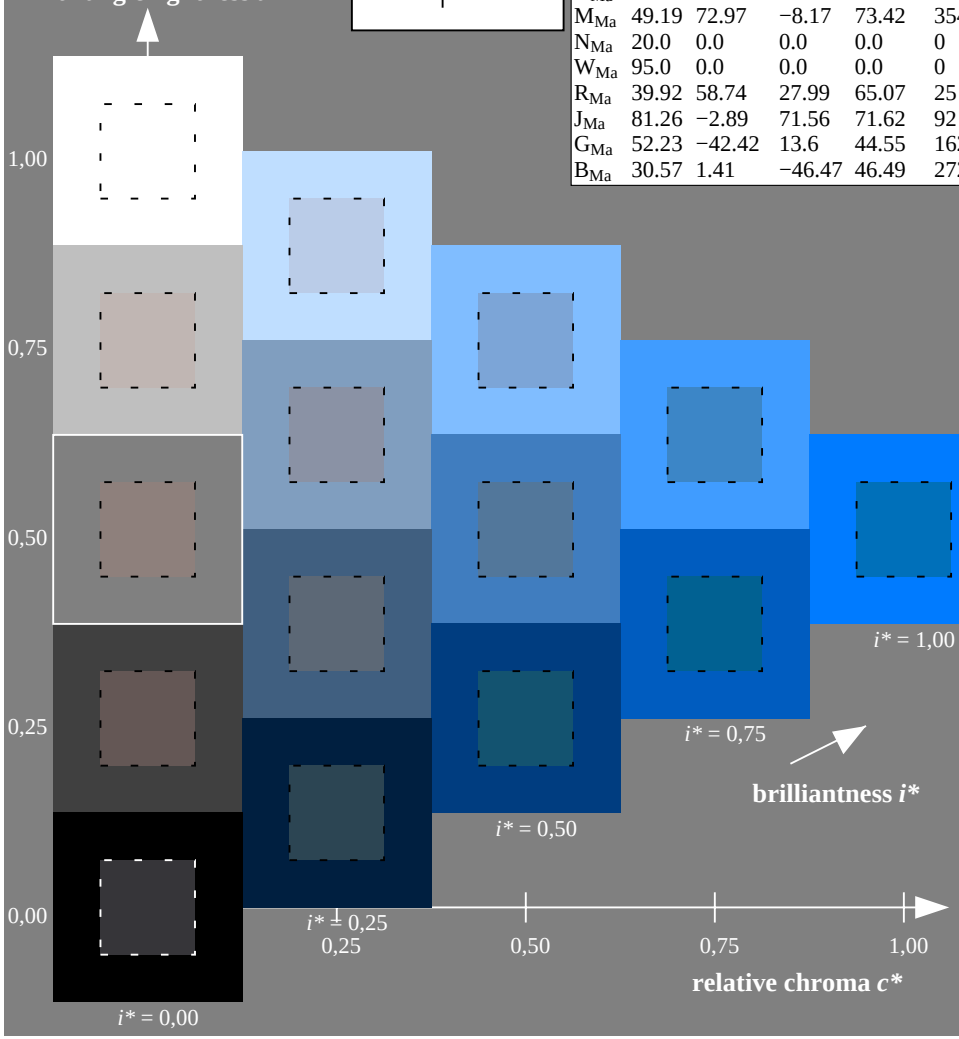
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 43 1 −43**

LAB*LCH*$_{Ma}$**: 43 43 271**

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

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

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

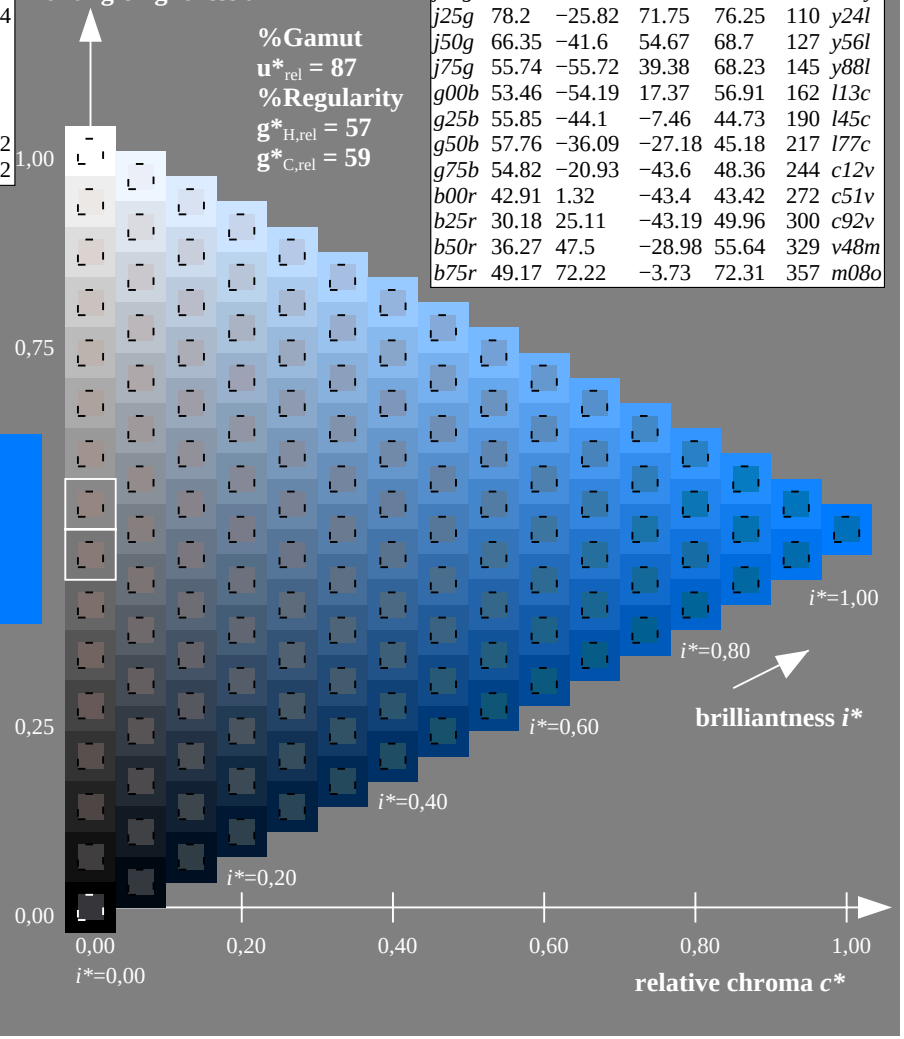
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** **and** *lab*icu**

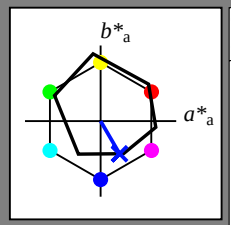
Hue texts:

$u^*_e = b25r$ $u^*_d = c92v$

contrast reduction factor:

$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 30 25 −43

$LAB^*LCH^*_{Ma}$: 30 50 300

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

$lab^*olv^*_{Ma}$: 0.0 0.07 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

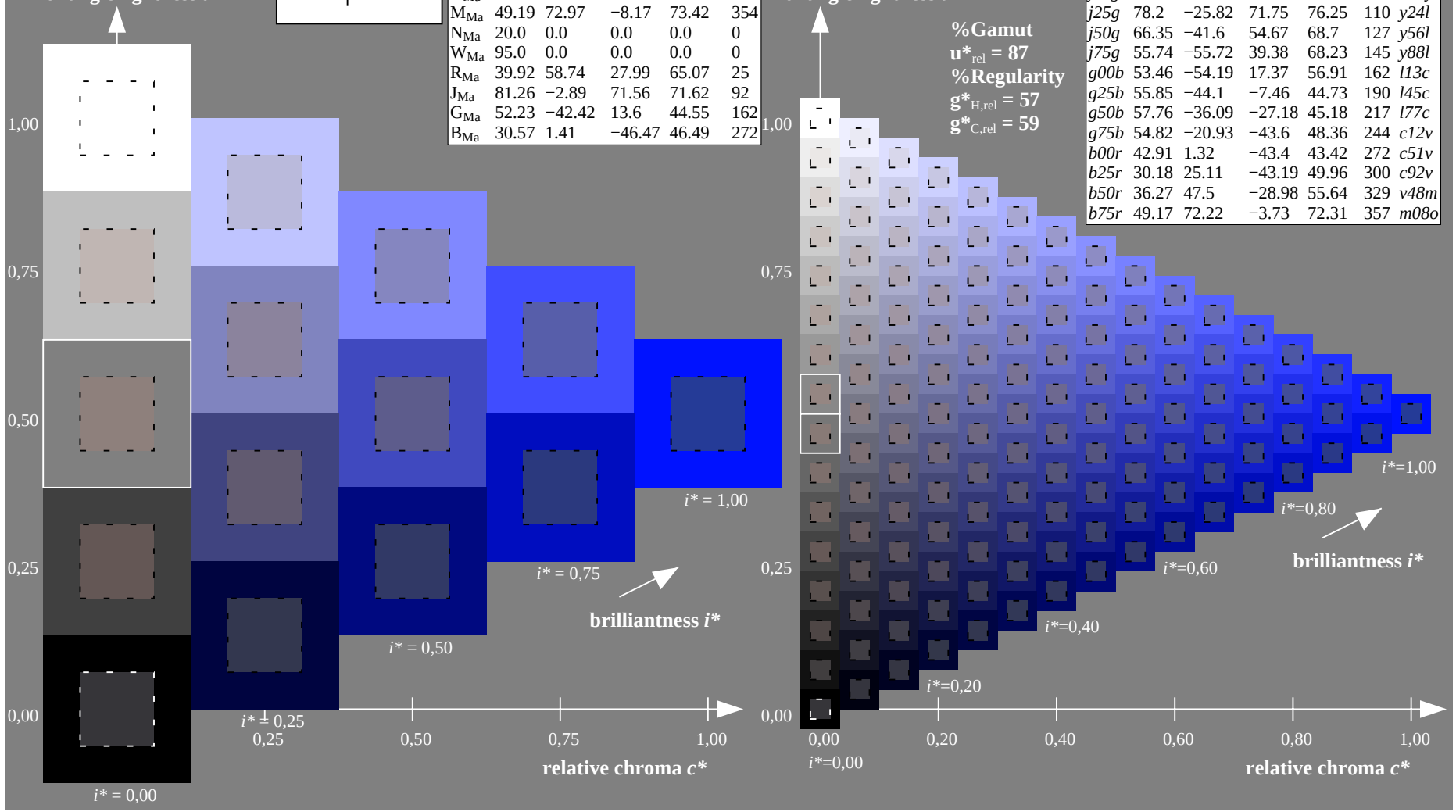
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** **and** *lab*icu**

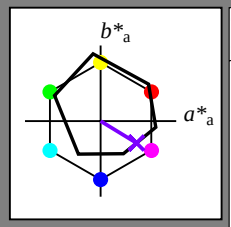
Hue texts:

$u^*_e = b50r$ $u^*_d = v48m$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 36 47 −29**

***LAB*LCH*Ma*: 36 56 328**

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

***lab*olv*Ma*: 0.49 0.0 1.0**

triangle lightness *t**

%Gamut

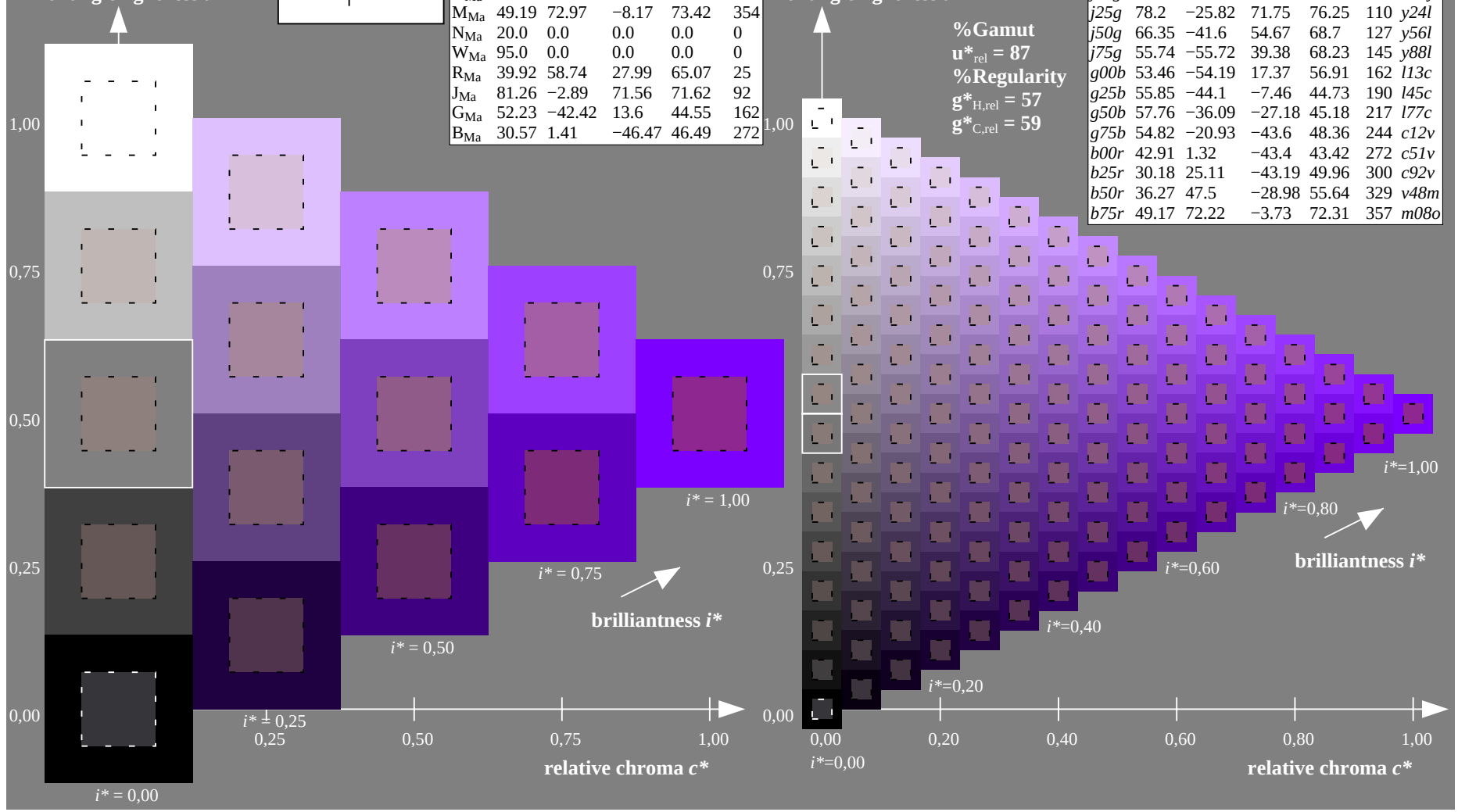
$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

lab*tch* **and** ***lab*icu****

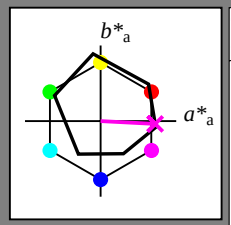
Hue texts:

$u^*_e = b75r$ $u^*_d = m08o$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 49 72 −4**

LAB*LCH*$_{Ma}$**: 49 72 357**

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

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

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

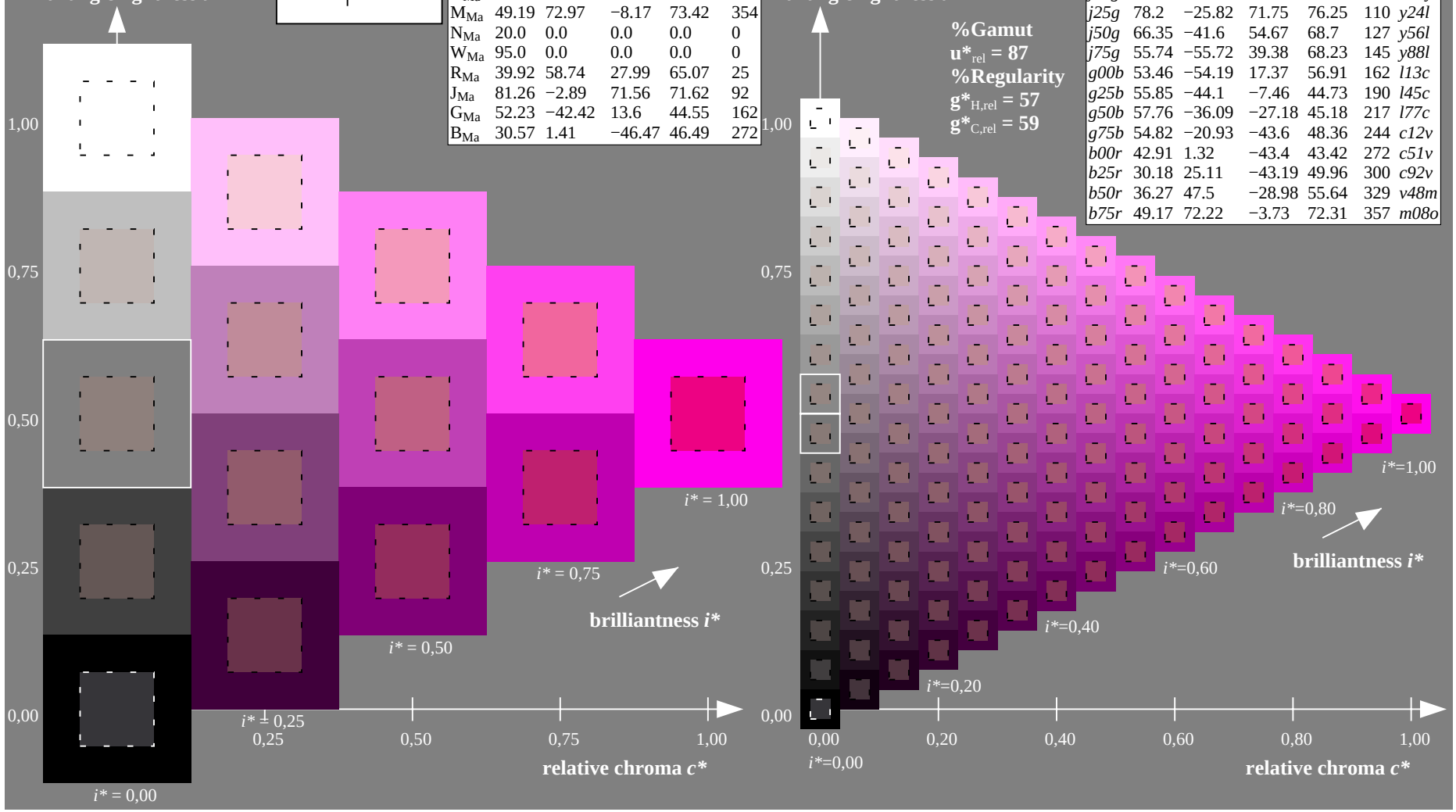
%Regularity

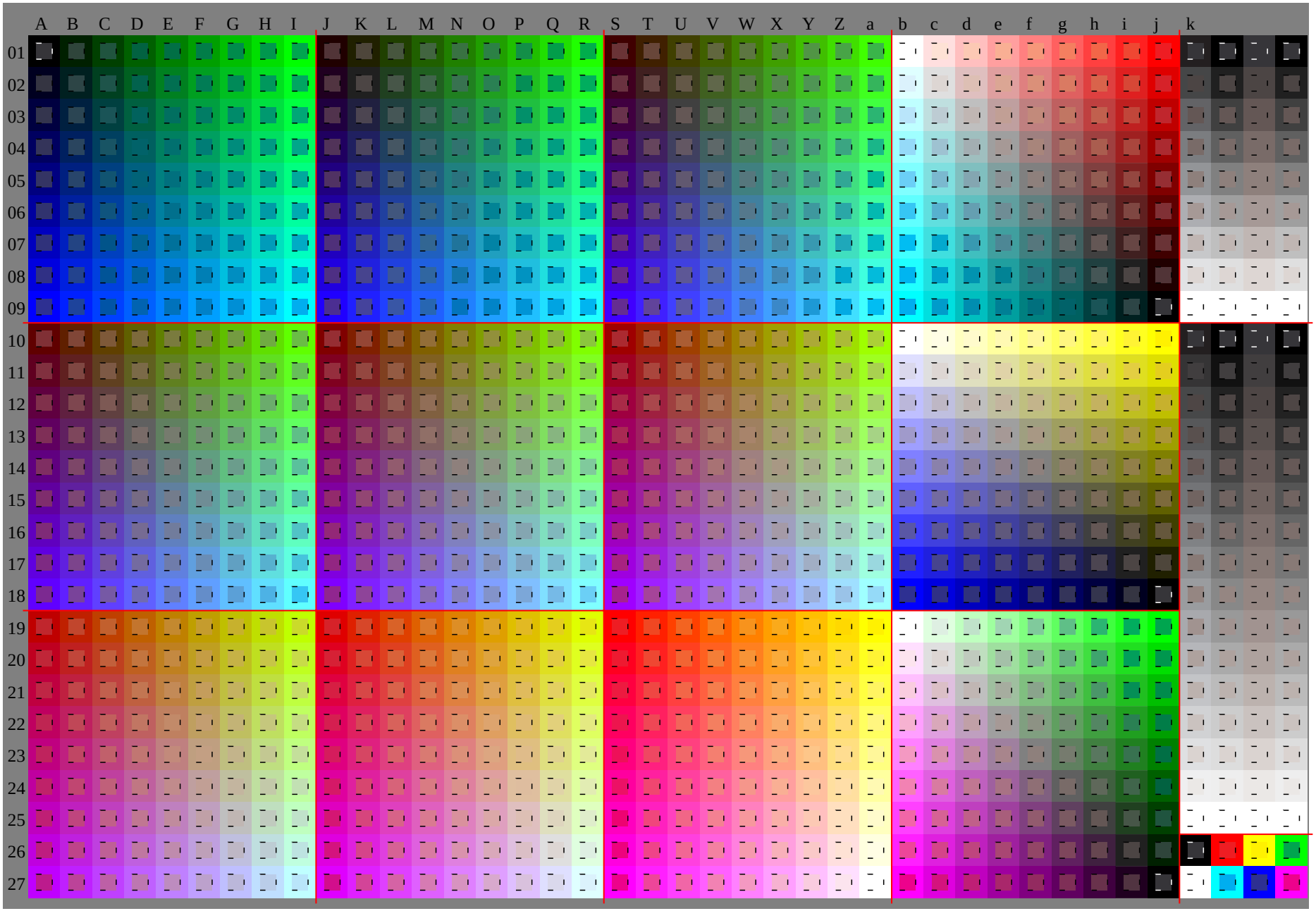
$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

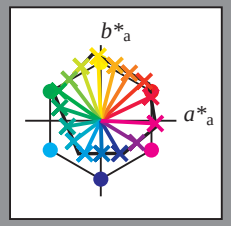



A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

Input and output:
Colorimetric Printer Reflective System ORS18_95aM
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.97

ORS18_95aM; adapted (a) CIELAB data

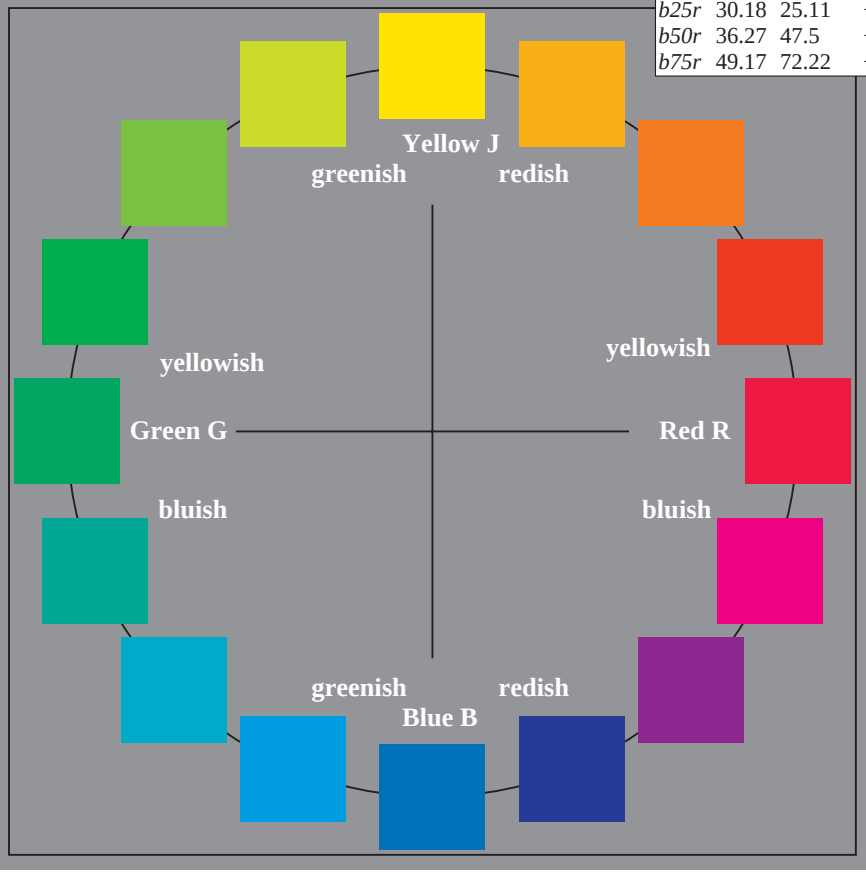
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ $u^*_e = r00j$

data for any colour:

lab*tch* and lab*icu*

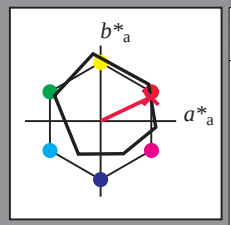
Hue texts:

$u^*_e = r00j$ $u^*_d = m72o$

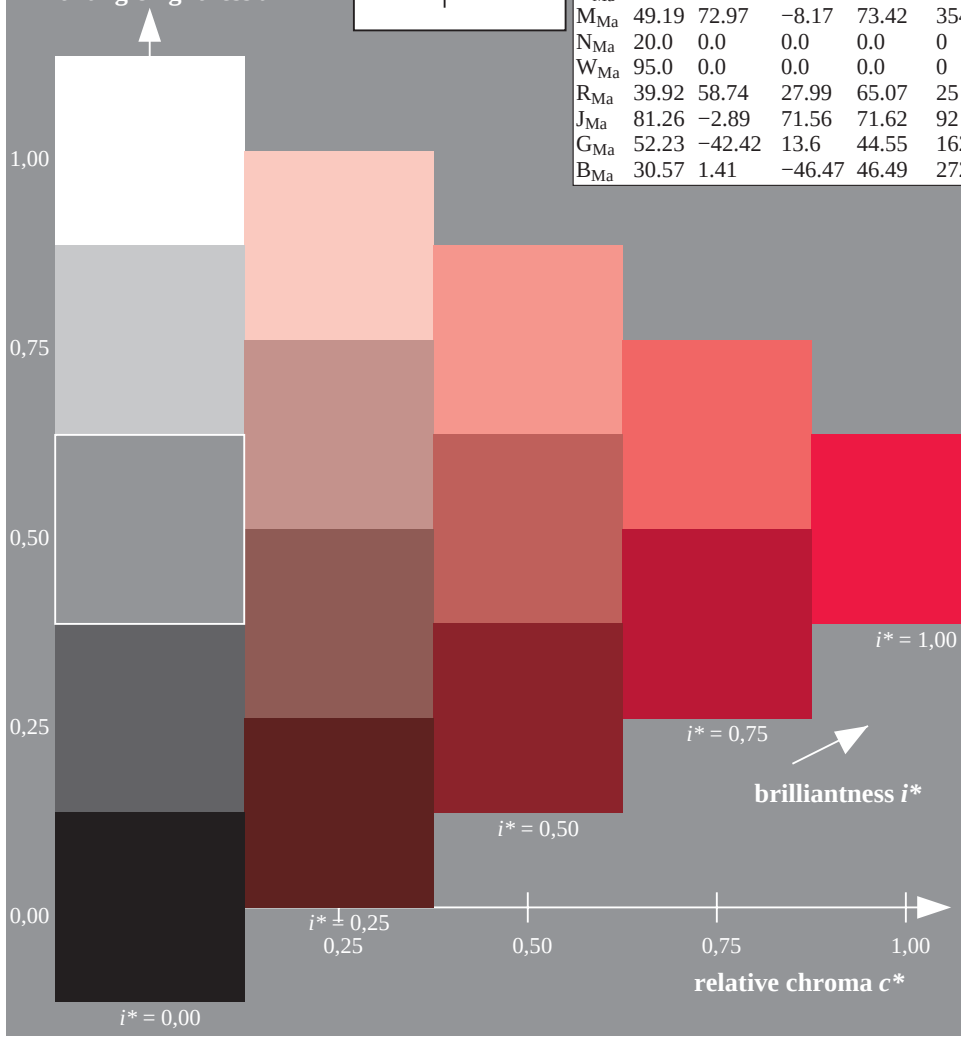
contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

***LAB*LAB*Ma*: 49 66 32**

***LAB*LCH*Ma*: 49 73 25**

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

***lab*olv*Ma*: 1.0 0.0 0.28**

triangle lightness *t**

%Gamut

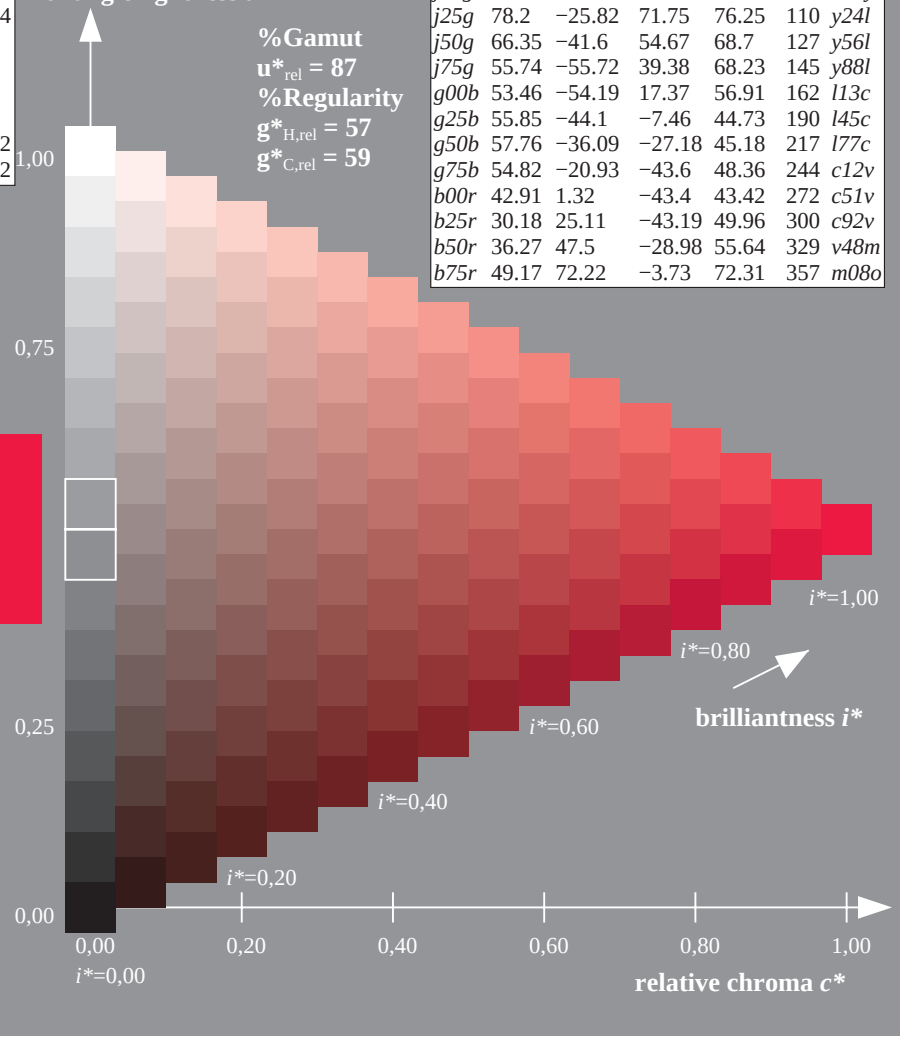
$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ $u^*_e = r25j$

data for any colour:

*lab*tch** **and** *lab*icu**

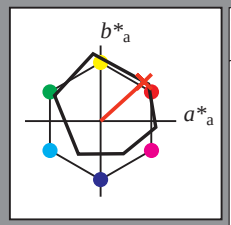
Hue texts:

$u^*_e = r25j$ $u^*_d = o08y$

contrast reduction factor:

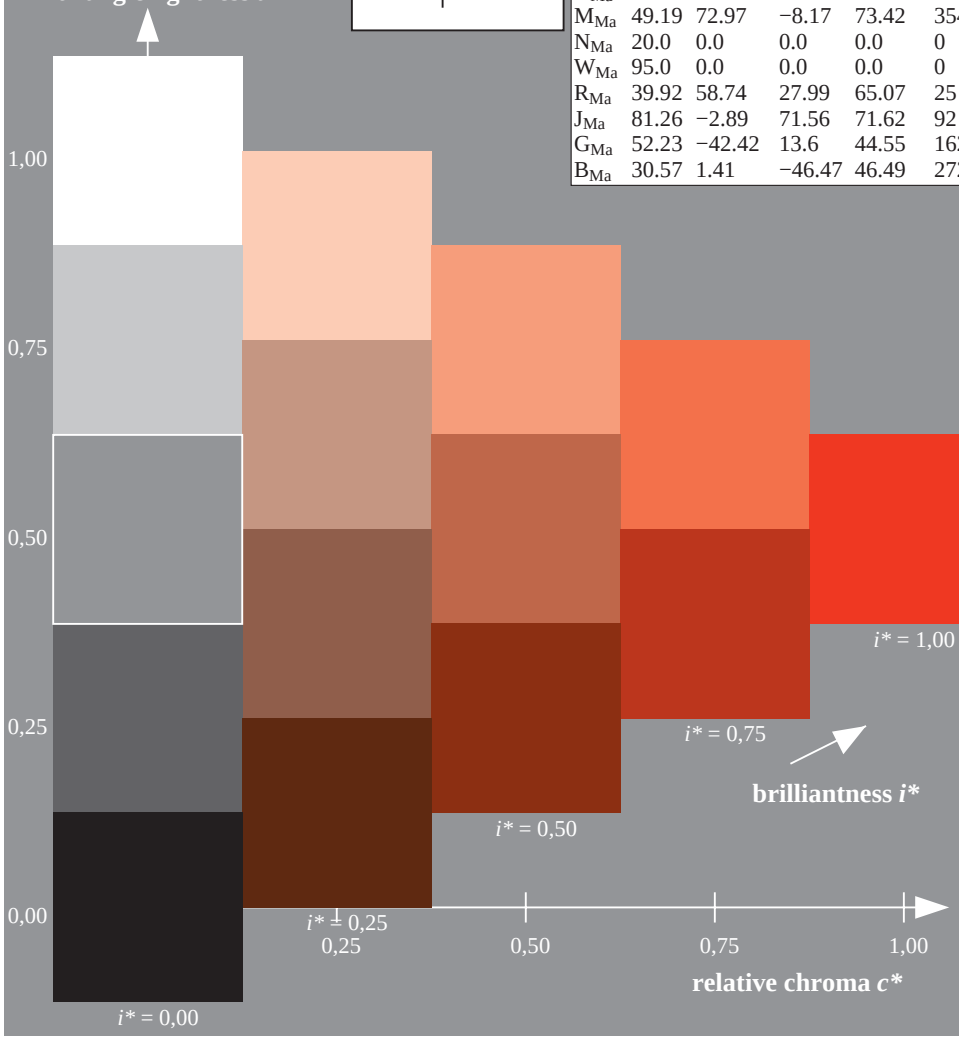
$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 52 57 52

$LAB^*LCH^*_{Ma}$: 52 78 42

$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 1.0 0.08 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

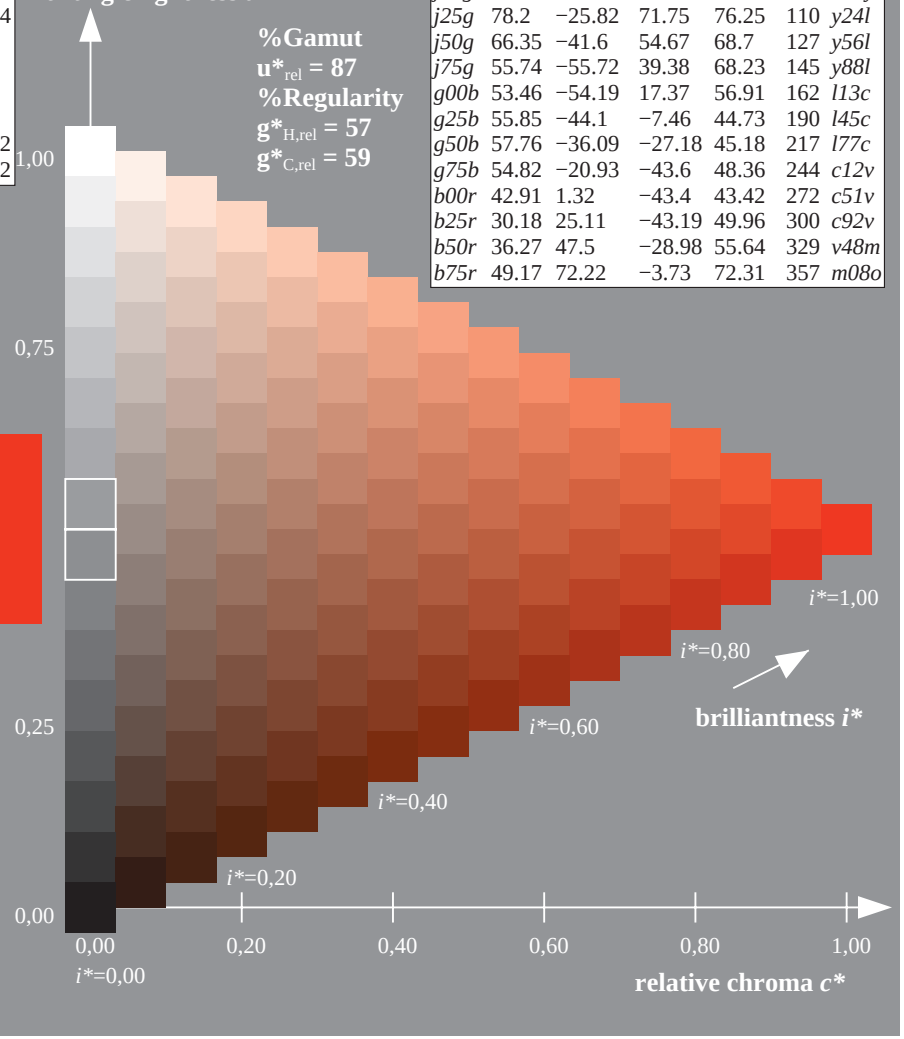
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ $u^*_e = r50j$

data for any colour:

lab*tch* and lab*icu*

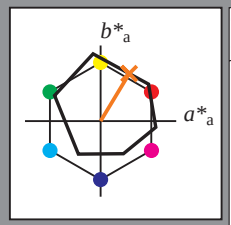
Hue texts:

$u^*_e = r50j$ $u^*_d = o36y$

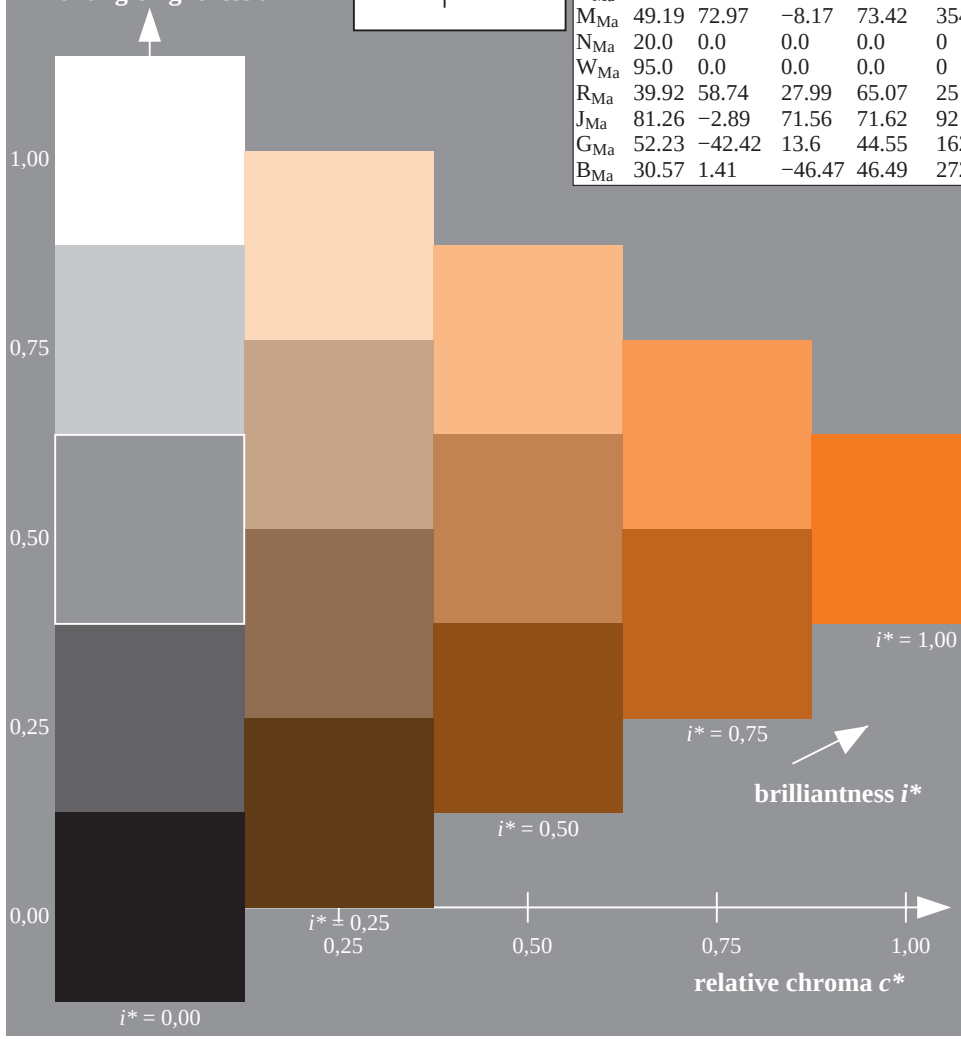
contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

***LAB*LAB*Ma*: 63 38 63**

***LAB*LCH*Ma*: 63 73 58**

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

***lab*olv*Ma*: 1.0 0.36 0.0**

triangle lightness *t**

%Gamut

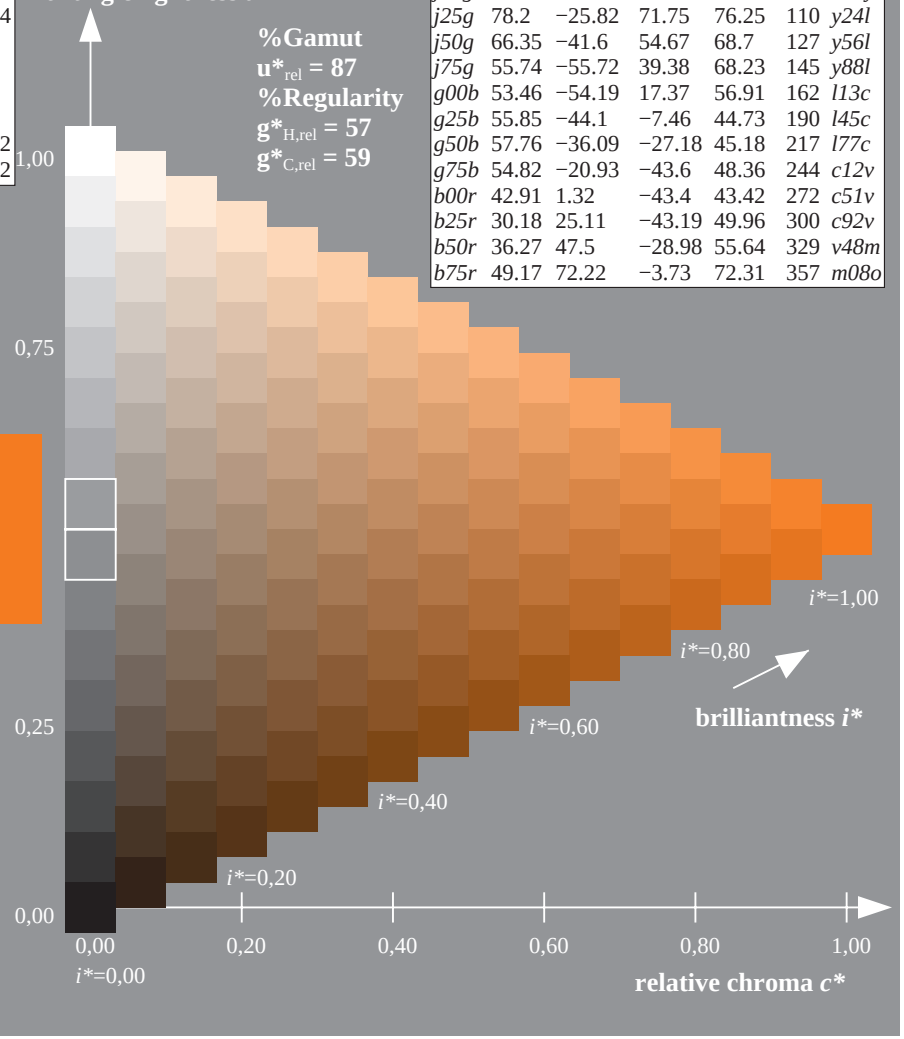
$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ $u^*_e = r75j$

data for any colour:

*lab*tch** **and** *lab*icu**

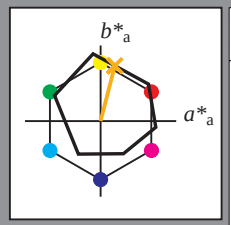
Hue texts:

$u^*_e = r75j$ $u^*_d = o64y$

contrast reduction factor:

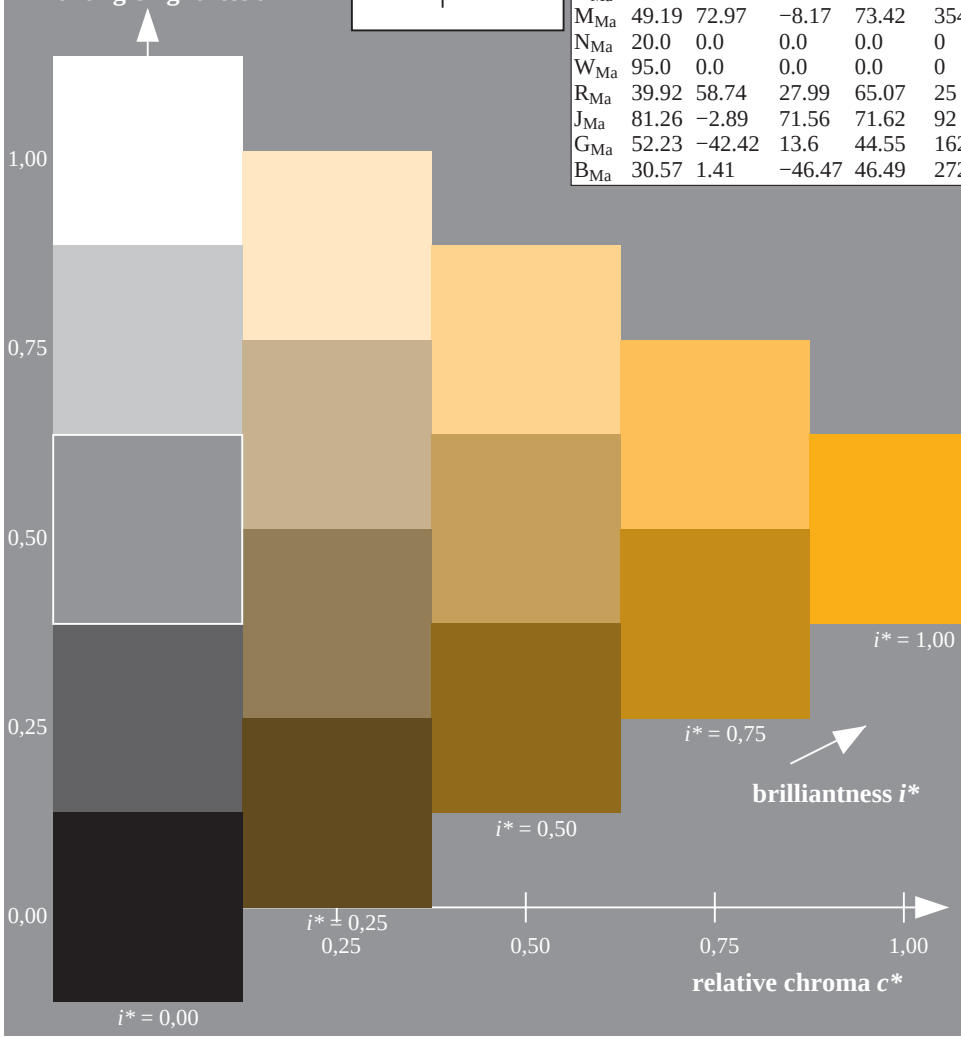
$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 74 19 73

$LAB^*LCH^*_{Ma}$: 74 76 75

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.65 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

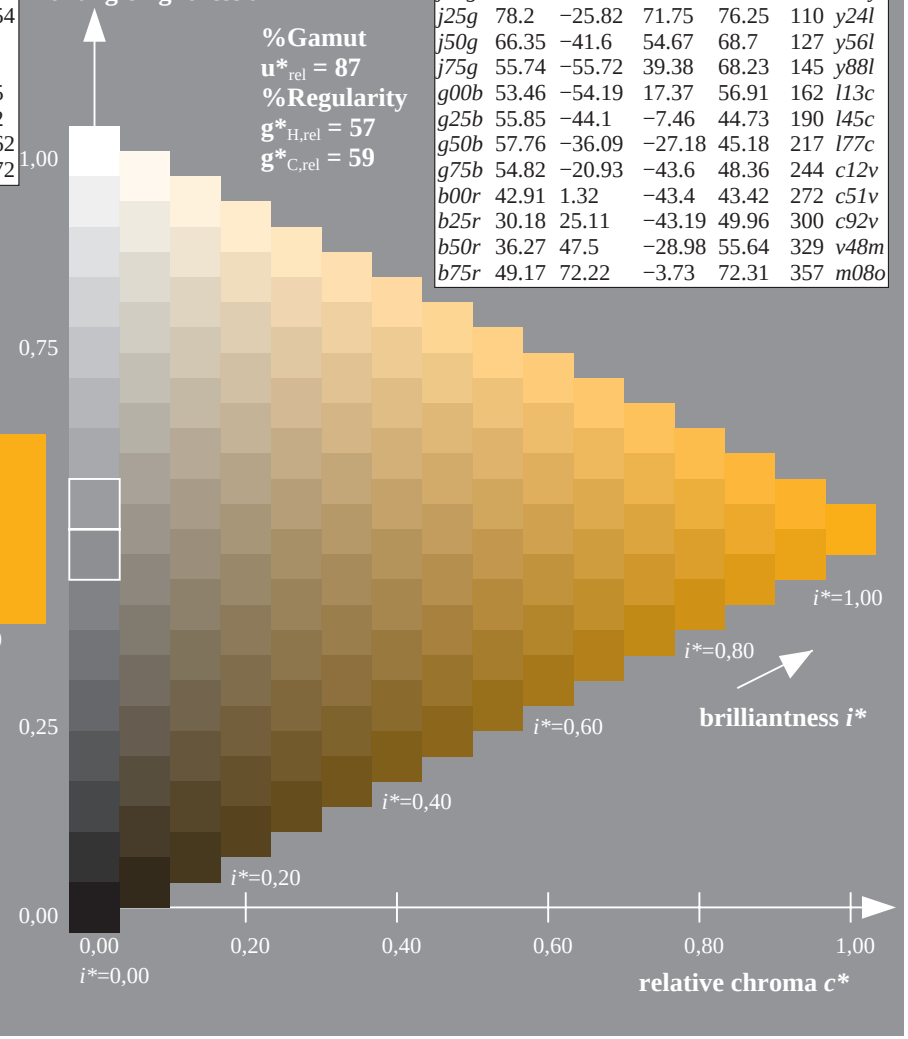
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ $u^*_e = j00g$

data for any colour:

lab*tch* **and** ***lab*icu****

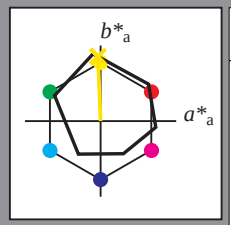
Hue texts:

$u^*_e = j00g$ $u^*_d = o92y$

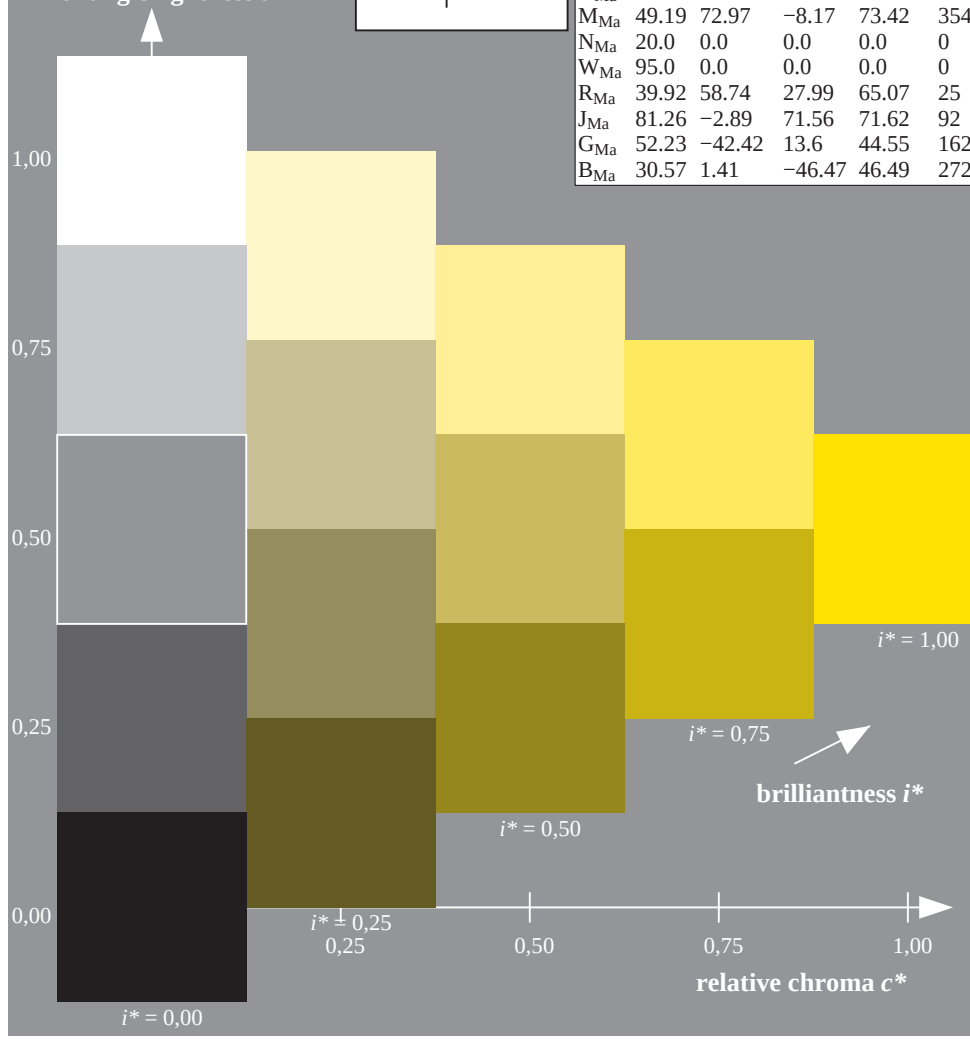
contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 86 −3 85**

LAB*LCH*$_{Ma}$**: 86 85 92**

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

lab*olv*$_{Ma}$**: 1.0 0.93 0.0**

triangle lightness *t**

%Gamut

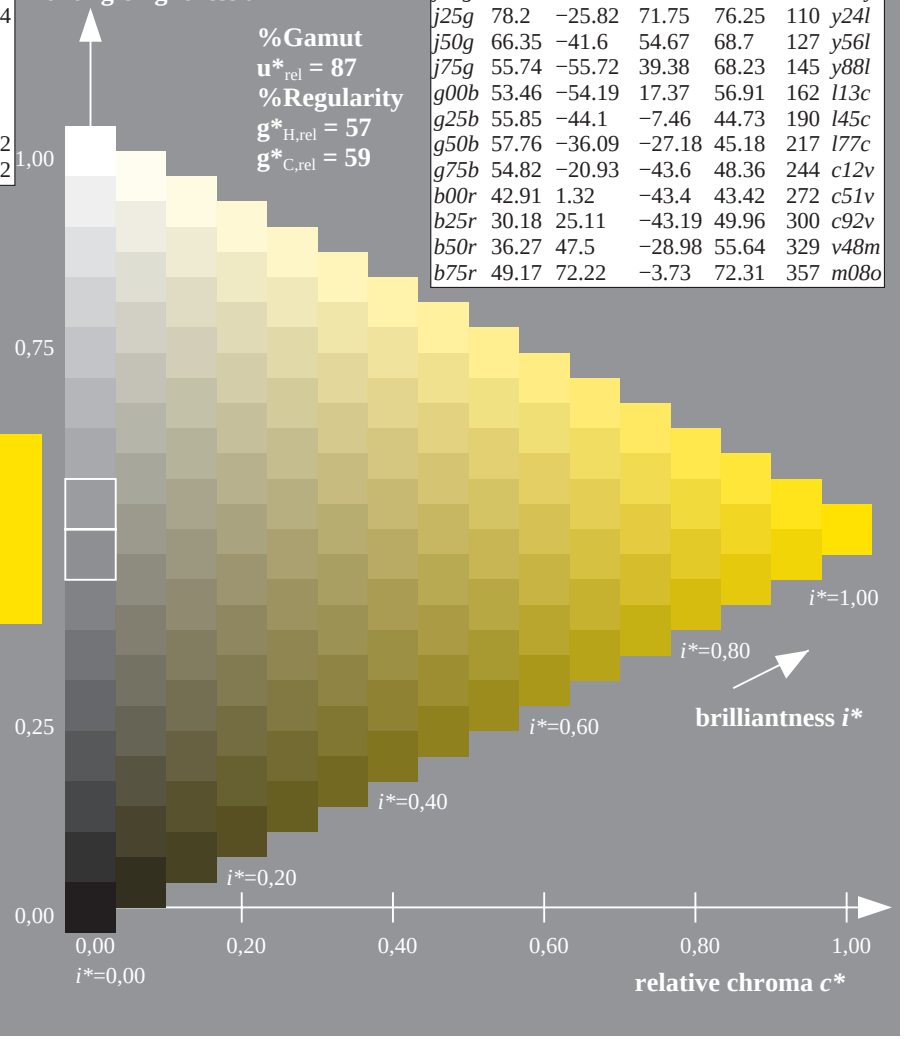
$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ $u^*_e = j25g$

data for any colour:

lab*tch* **and** ***lab*icu****

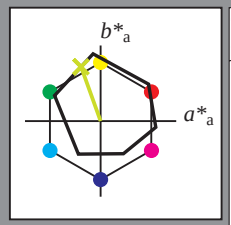
Hue texts:

$u^*_e = j25g$ $u^*_d = y24l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness ***t****



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 78 −26 72**

LAB*LCH*$_{Ma}$**: 78 76 109**

lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**

lab*olv*$_{Ma}$**: 0.75 1.0 0.0**

triangle lightness ***t****

%Gamut

$u^*_{rel} = 87$

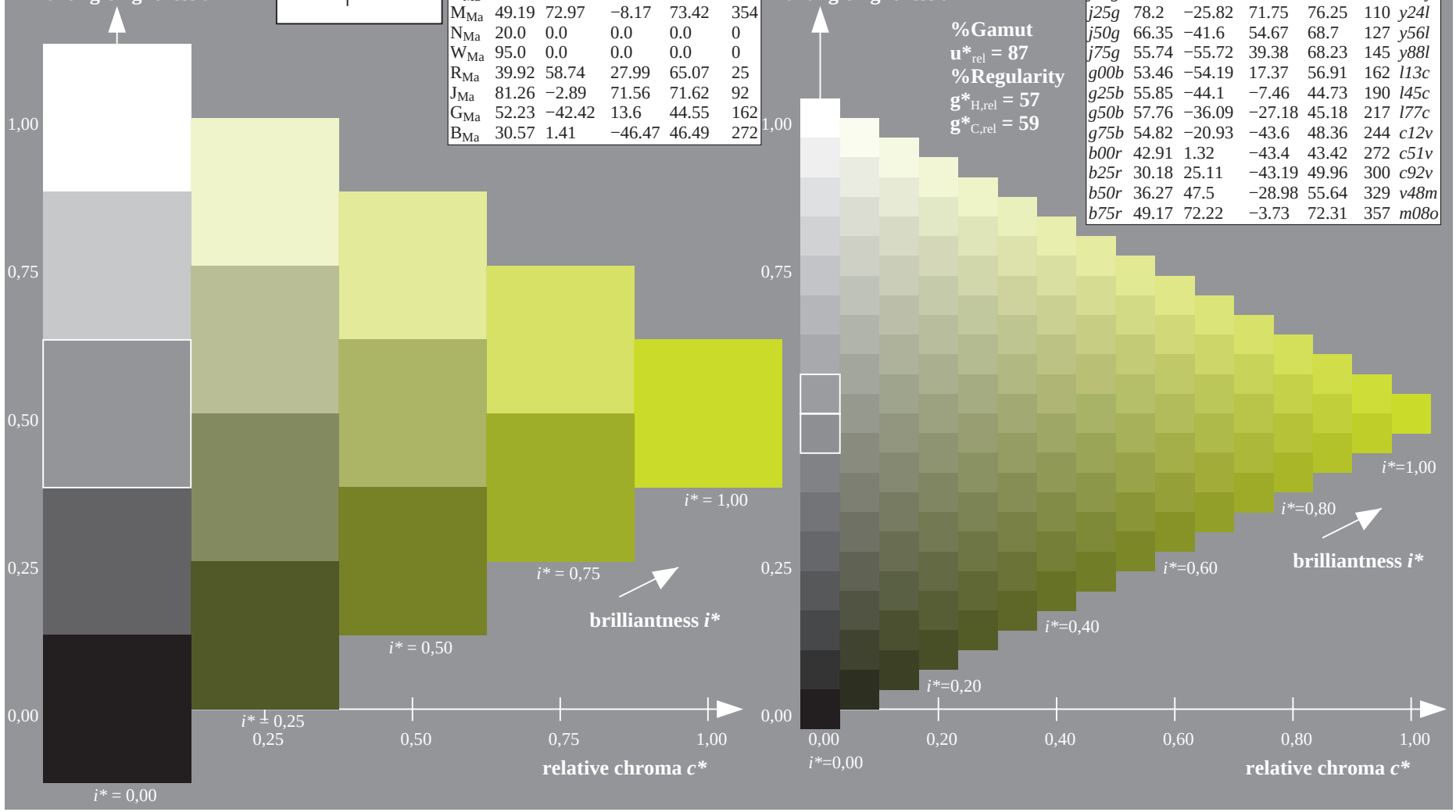
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ $u^*_e = j50g$

data for any colour:

lab*tch* and lab*icu*

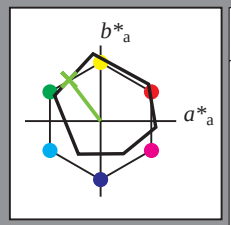
Hue texts:

$u^*_e = j50g$ $u^*_d = y56l$

contrast reduction factor:

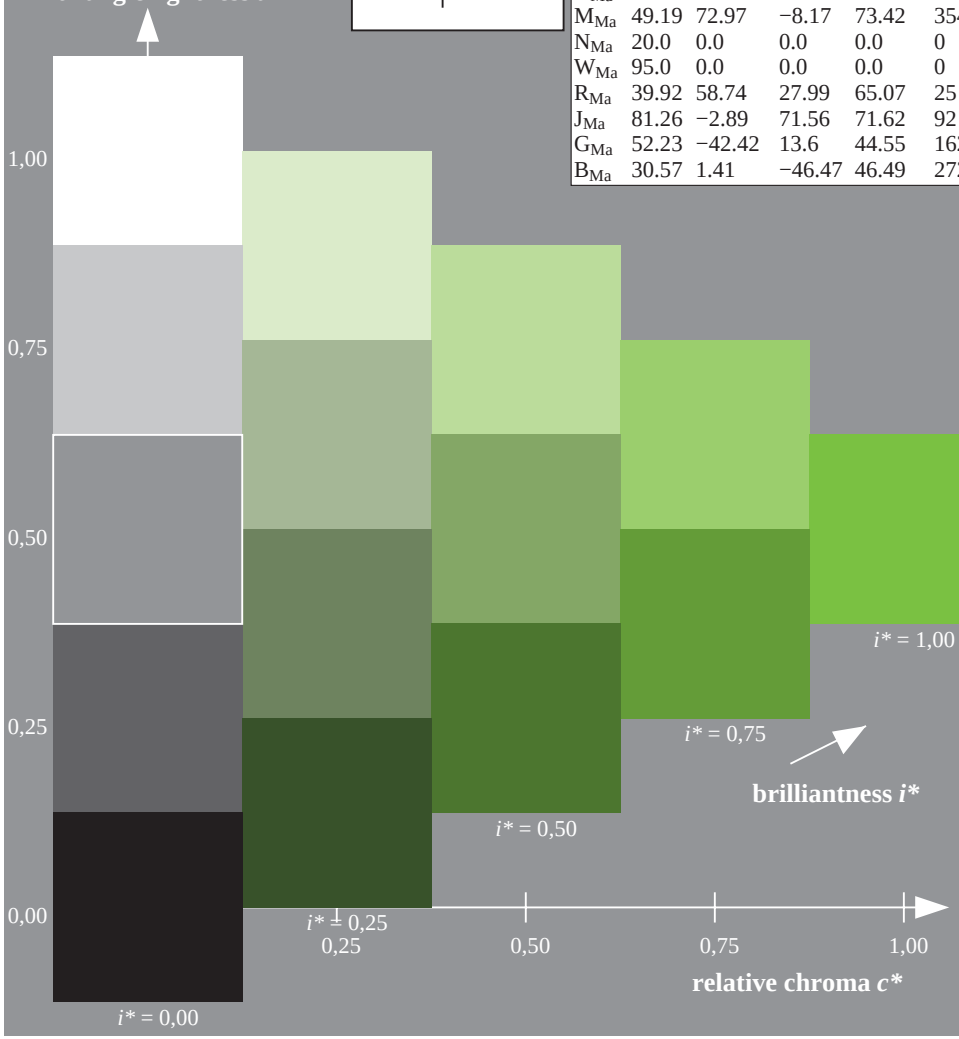
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

***LAB*LAB*Ma*: 66 −42 55**

***LAB*LCH*Ma*: 66 69 127**

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

***lab*olv*Ma*: 0.43 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

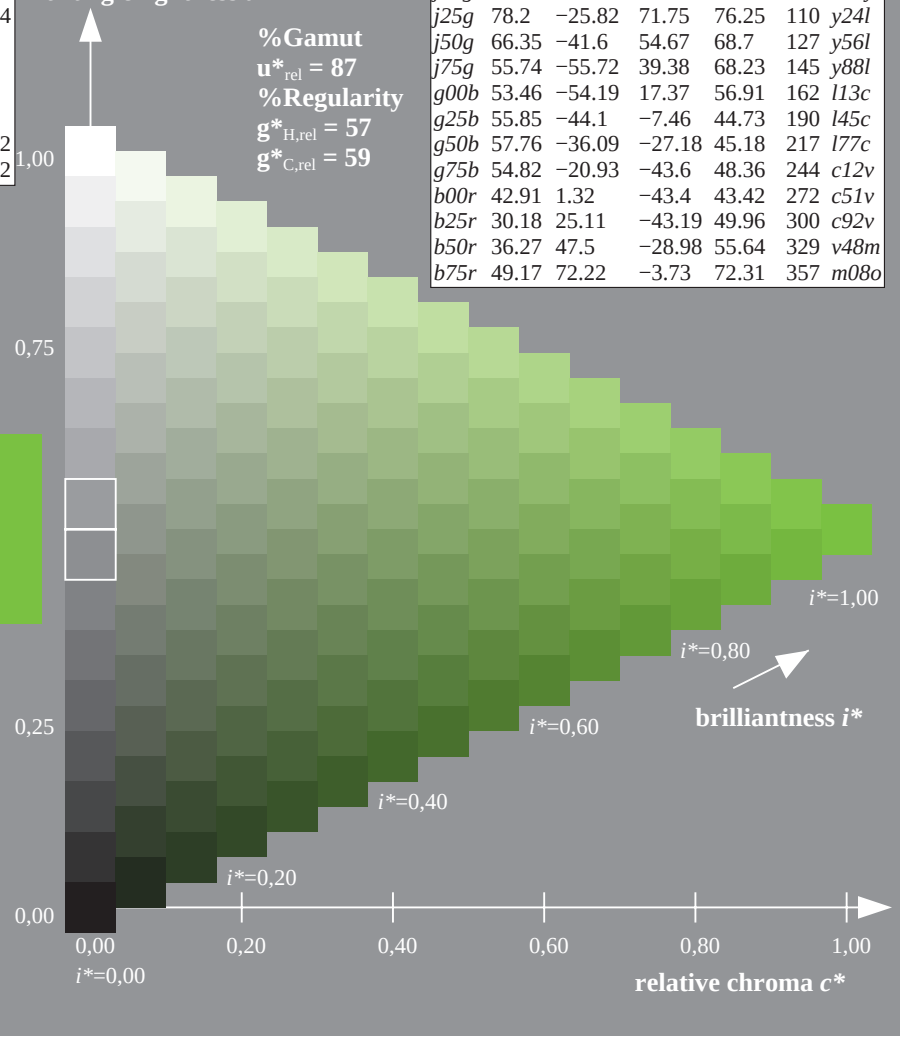
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ $u^*_e = j75g$

data for any colour:

lab*tch* **and** ***lab*icu****

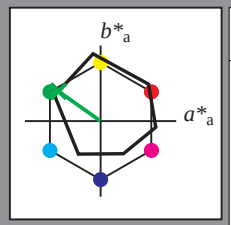
Hue texts:

$u^*_e = j75g$ $u^*_d = y88l$

contrast reduction factor:

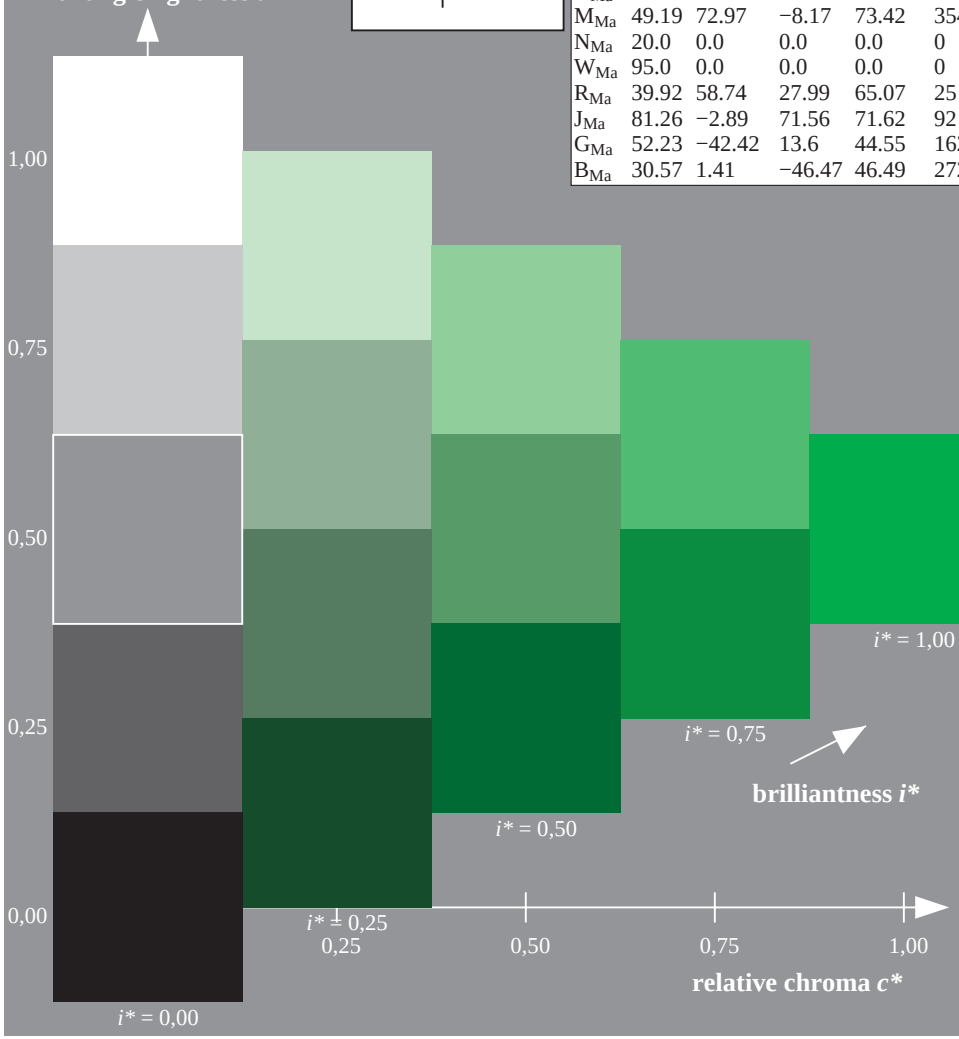
$c_R = 0.97$

triangle lightness ***t****



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 56 −56 39**

LAB*LCH*$_{Ma}$**: 56 68 144**

lab*rgb*$_{Ma}$**: 0.25 1.0 0.0**

lab*olv*$_{Ma}$**: 0.11 1.0 0.0**

triangle lightness ***t****

%Gamut

$u^*_{rel} = 87$

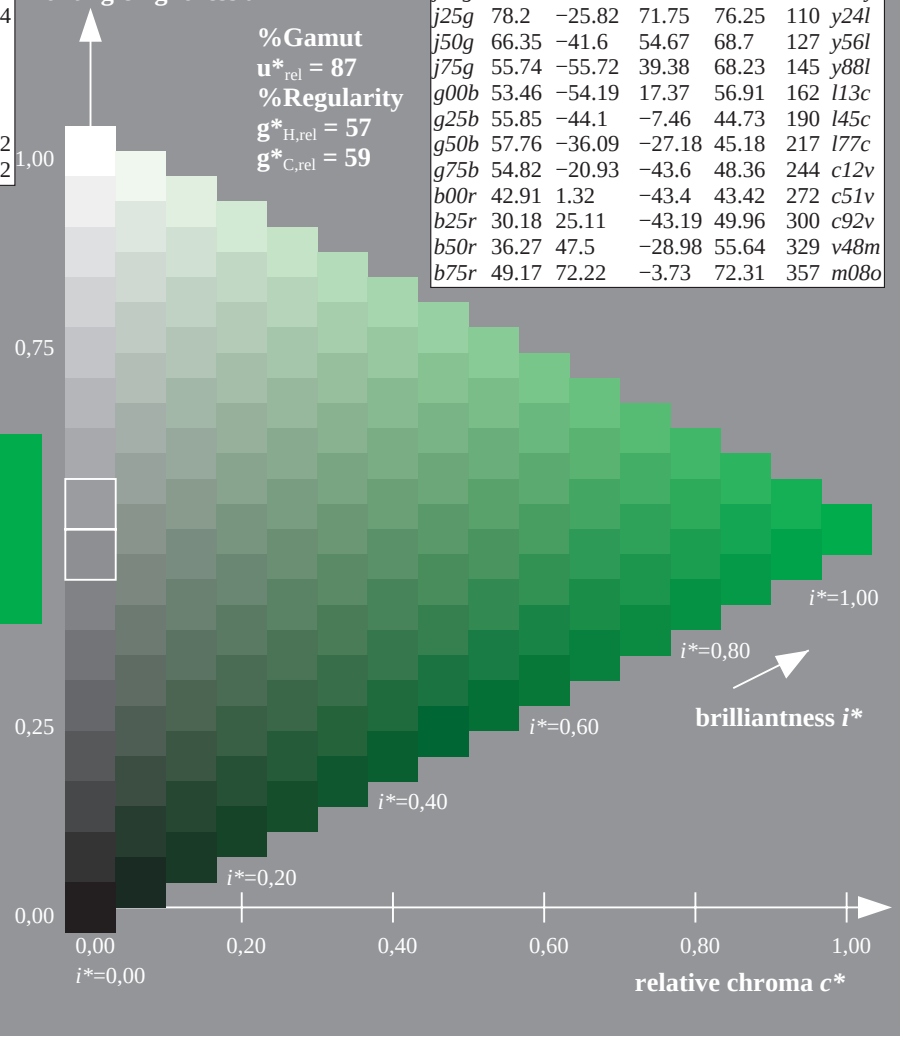
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

lab*tch* **and** ***lab*icu****

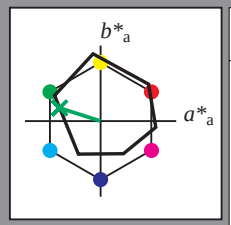
Hue texts:

$u^*_e = g00b$ $u^*_d = l13c$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 53 −54 17**

LAB*LCH*$_{Ma}$**: 53 57 162**

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

lab*olv*$_{Ma}$**: 0.0 1.0 0.13**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

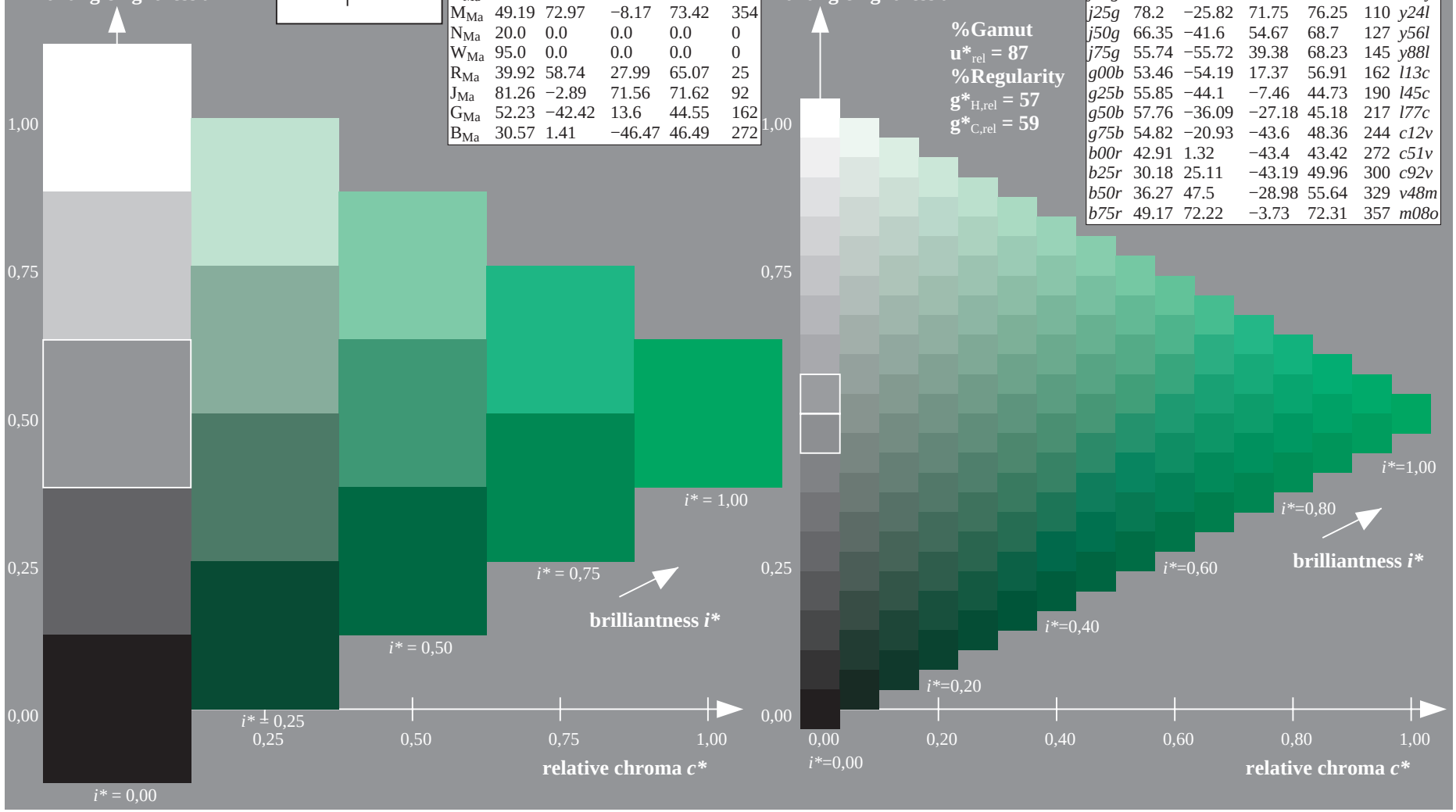
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

lab*tch* **and** ***lab*icu****

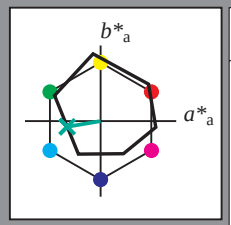
Hue texts:

$u^*_e = g25b$ $u^*_d = l45c$

contrast reduction factor:

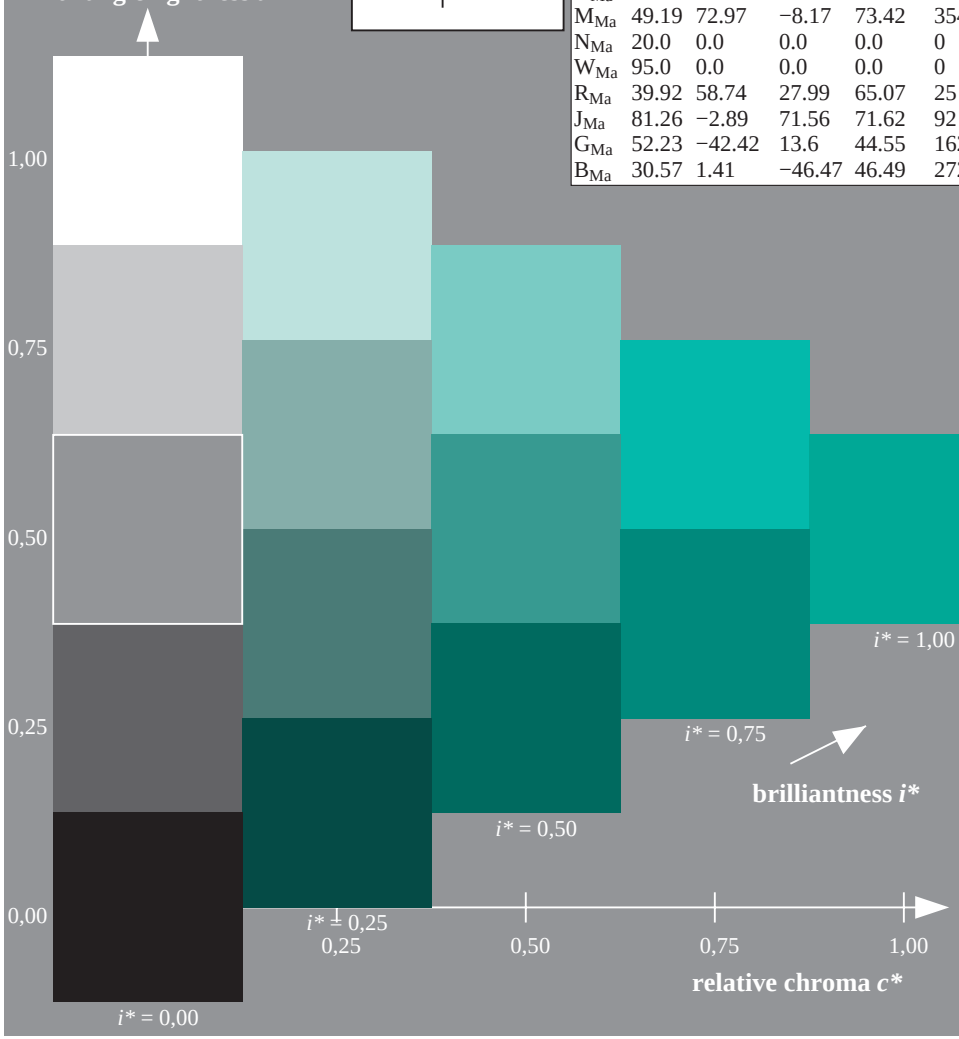
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 56 −44 −7**

LAB*LCH*$_{Ma}$**: 56 45 189**

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

lab*olv*$_{Ma}$**: 0.0 1.0 0.45**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

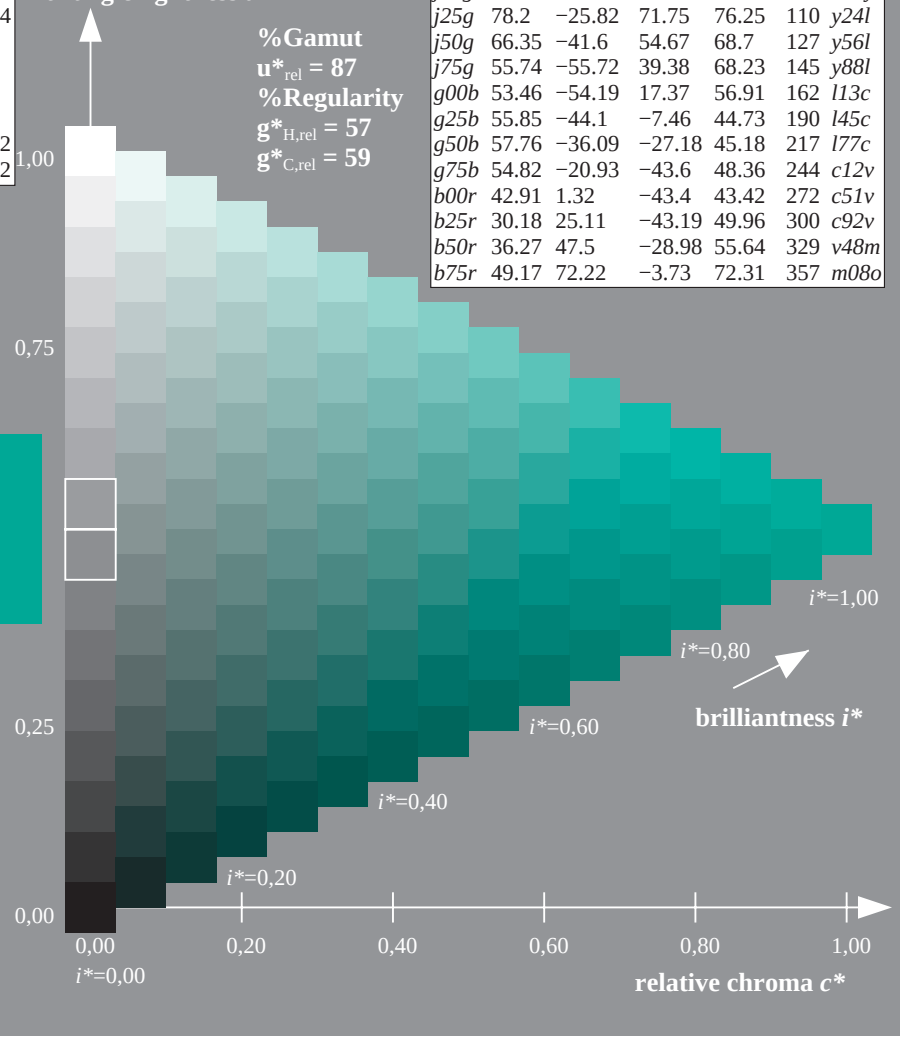
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

lab*tch **and** ***lab*icu****

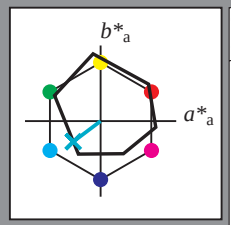
Hue texts:

$u^*_e = g50b$ $u^*_d = l77c$

contrast reduction factor:

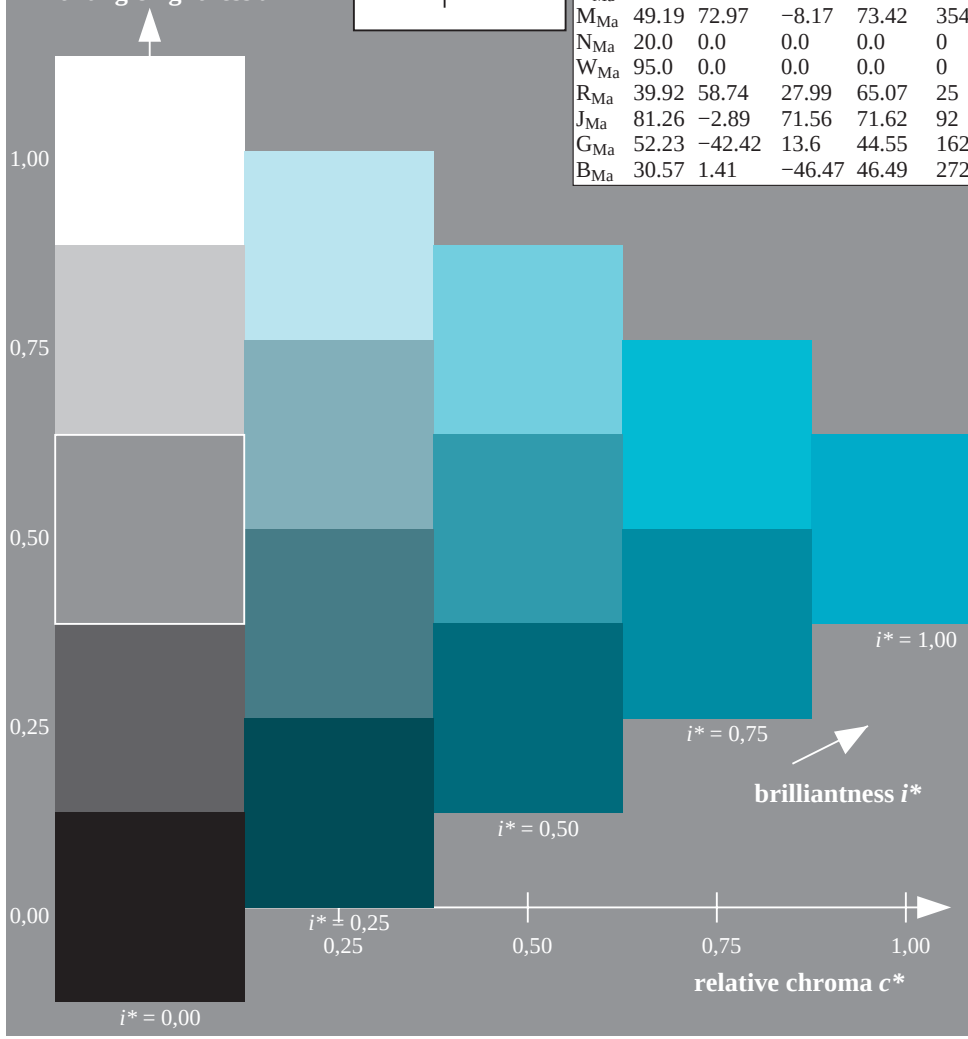
$c_R = 0.97$

triangle lightness ***t****



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 58 −36 −27**

LAB*LCH*$_{Ma}$**: 58 45 216**

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

lab*olv*$_{Ma}$**: 0.0 1.0 0.78**

triangle lightness ***t****

%Gamut

$u^*_{rel} = 87$

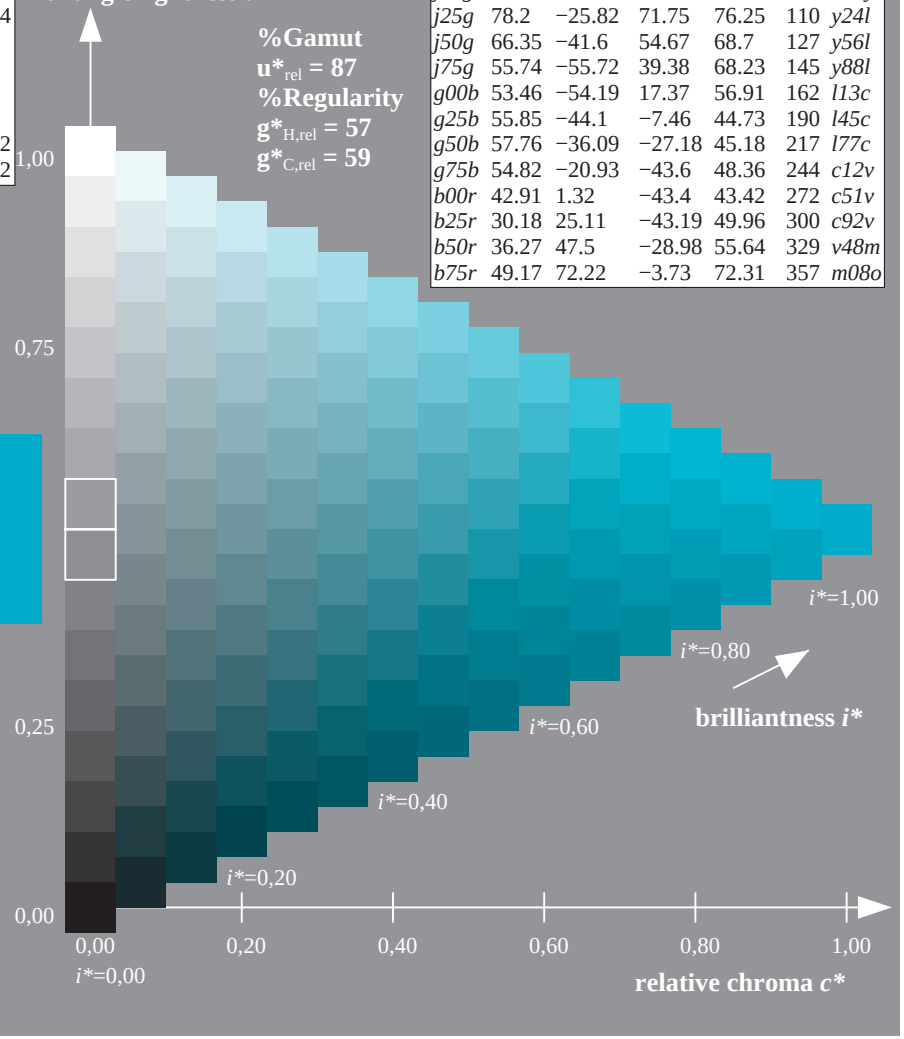
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

lab*tch* **and** ***lab*icu****

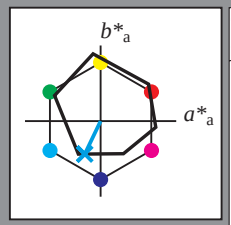
Hue texts:

$u^*_e = g75b$ $u^*_d = c12v$

contrast reduction factor:

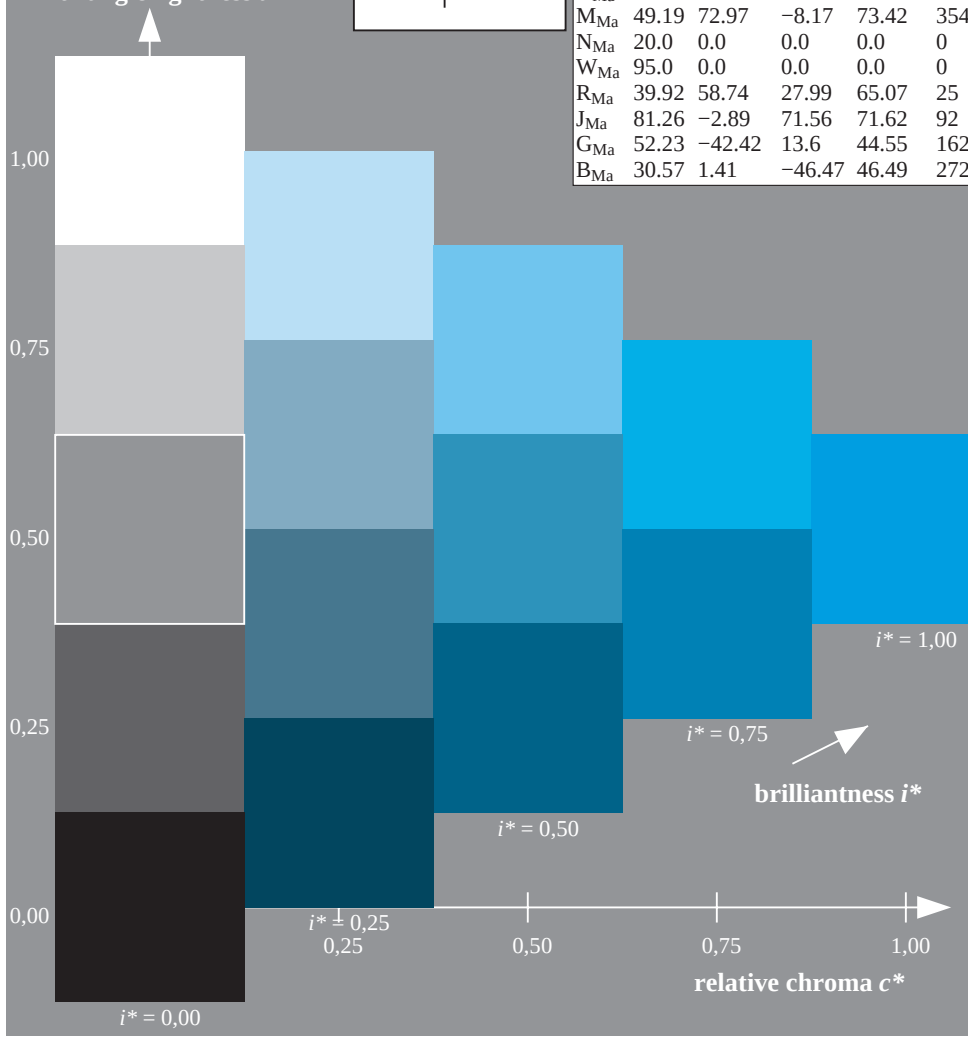
$c_R = 0.97$

triangle lightness ***t****



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 55 −21 −44**

LAB*LCH*$_{Ma}$**: 55 48 244**

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

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

triangle lightness ***t****

%Gamut

$u^*_{rel} = 87$

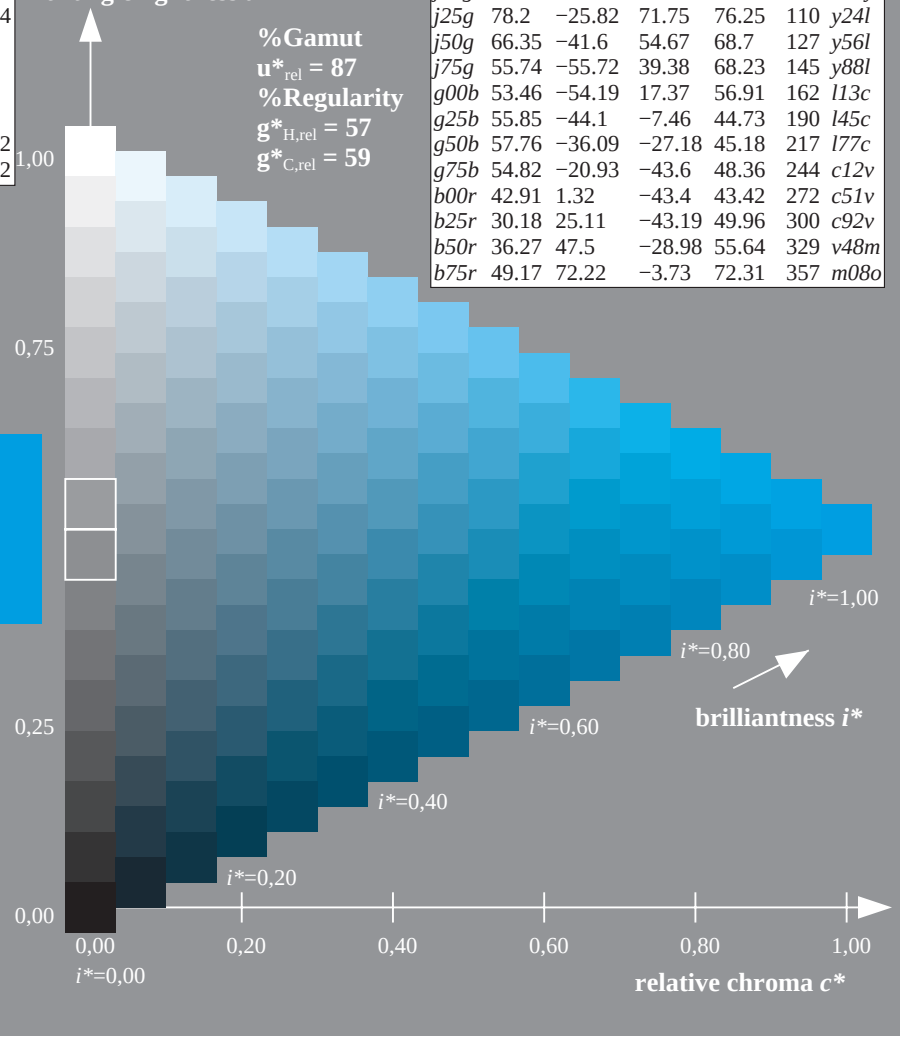
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

lab*tch* and lab*icu*

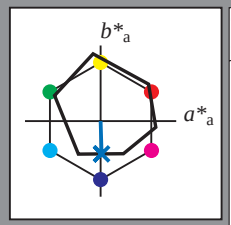
Hue texts:

$u^*_e = b00r$ $u^*_d = c51v$

contrast reduction factor:

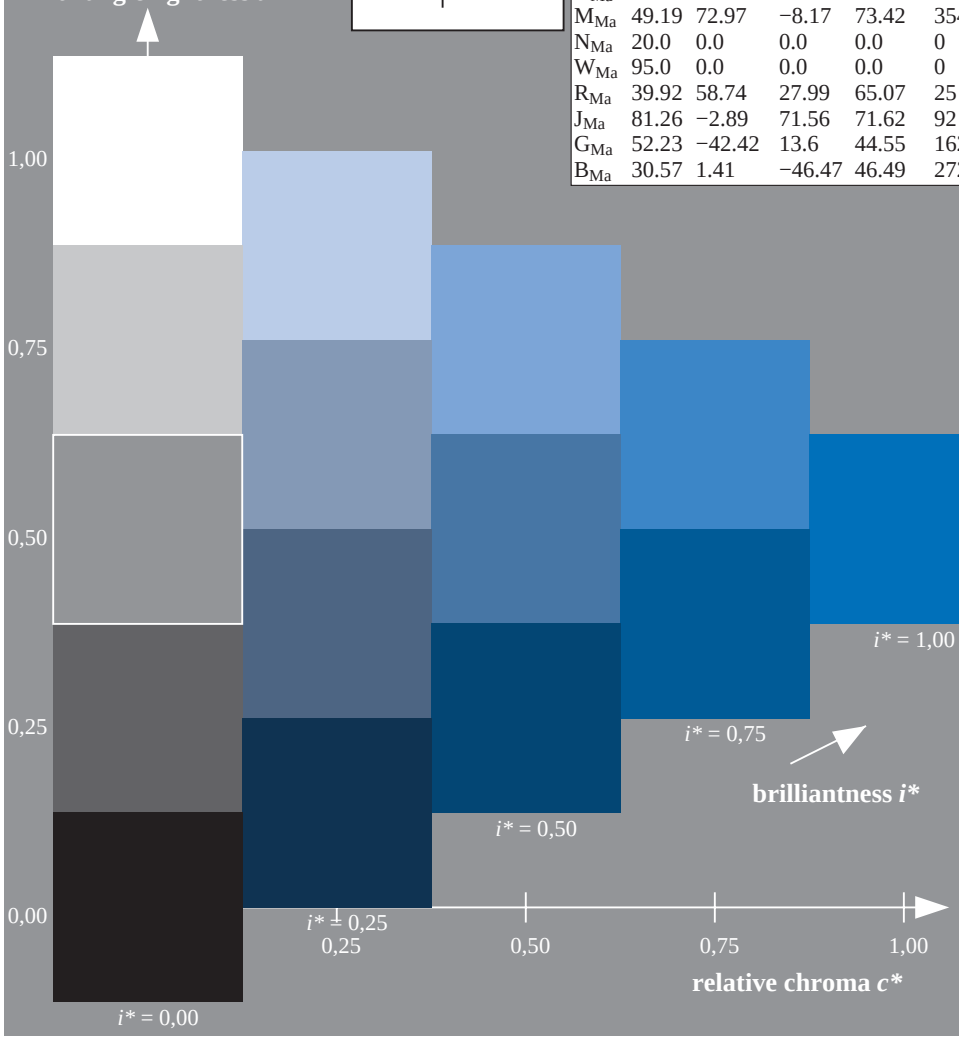
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

***LAB*LAB*Ma*: 43 1 −43**

***LAB*LCH*Ma*: 43 43 271**

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

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

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

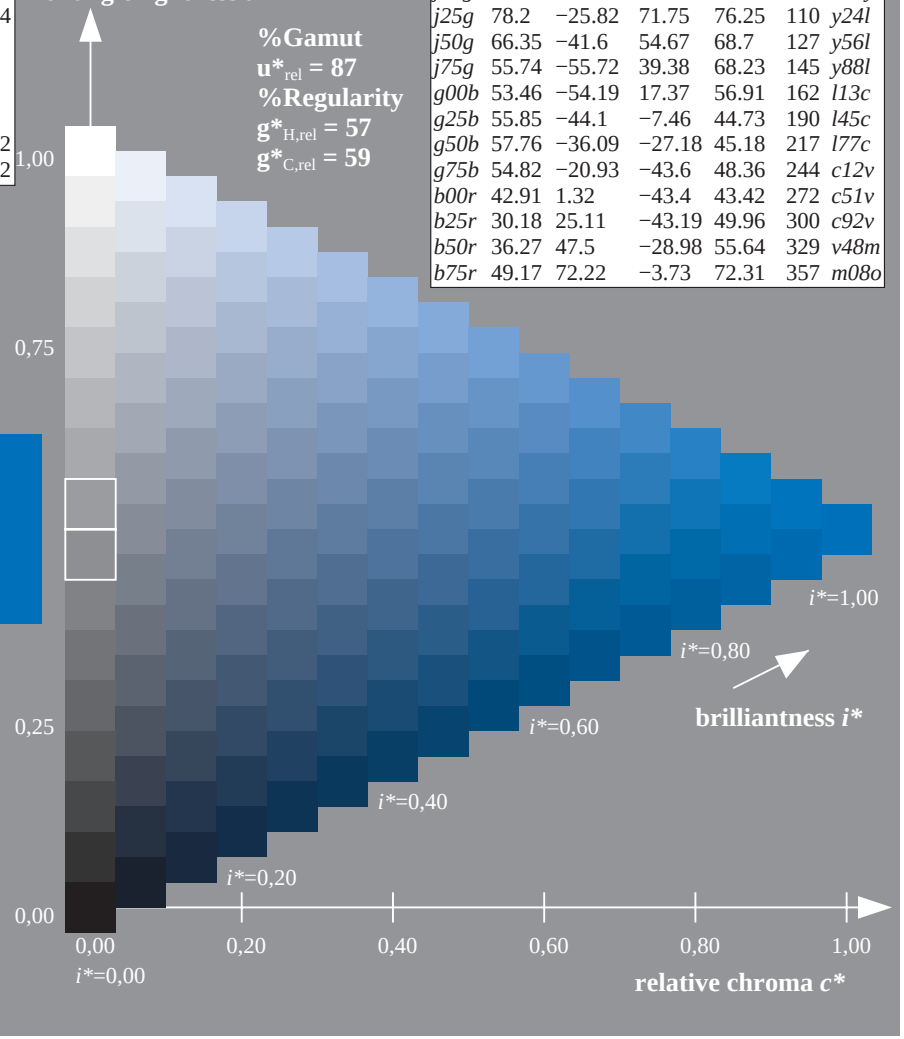
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

lab*tch* and lab*icu*

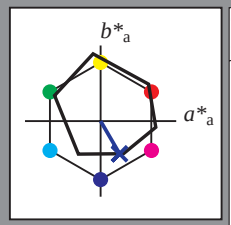
Hue texts:

$u^*_e = b25r$ $u^*_d = c92v$

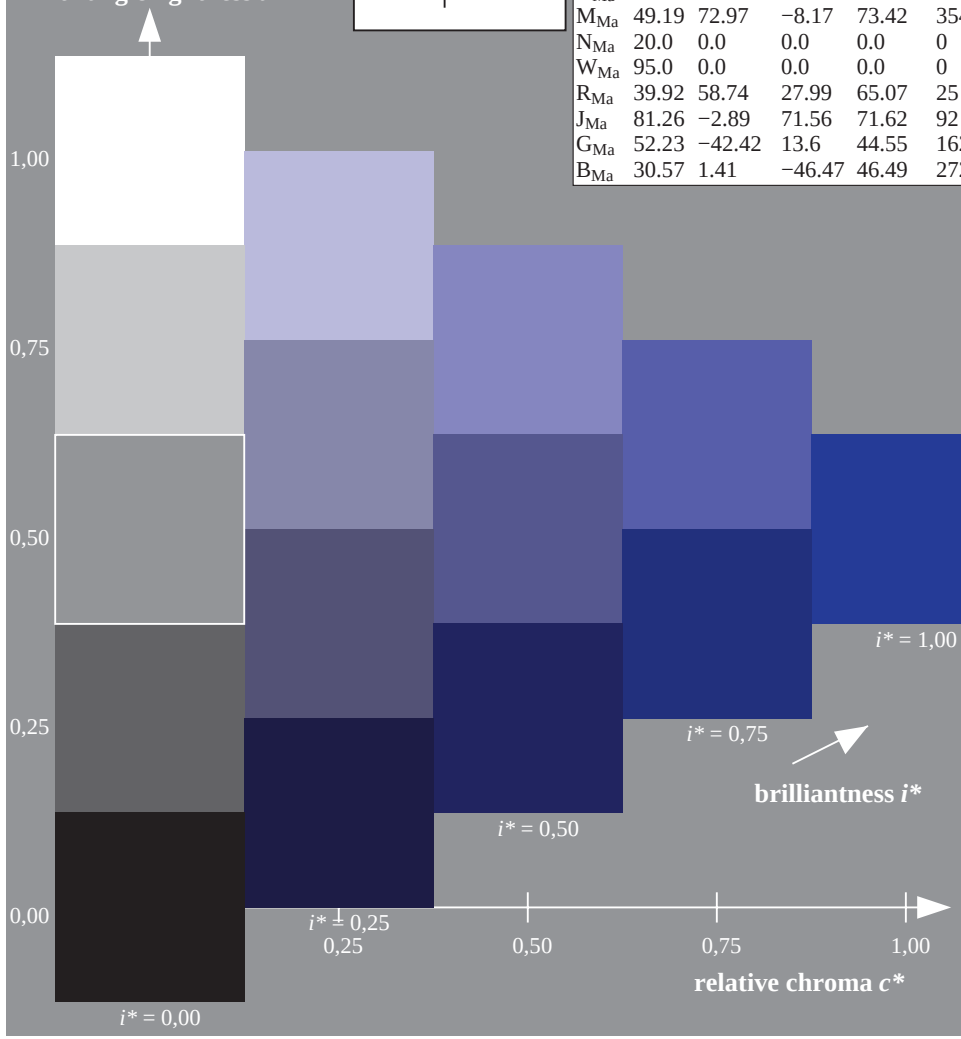
contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

***LAB*LAB*Ma*: 30 25 −43**

***LAB*LCH*Ma*: 30 50 300**

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

***lab*olv*Ma*: 0.0 0.07 1.0**

triangle lightness *t**

%Gamut

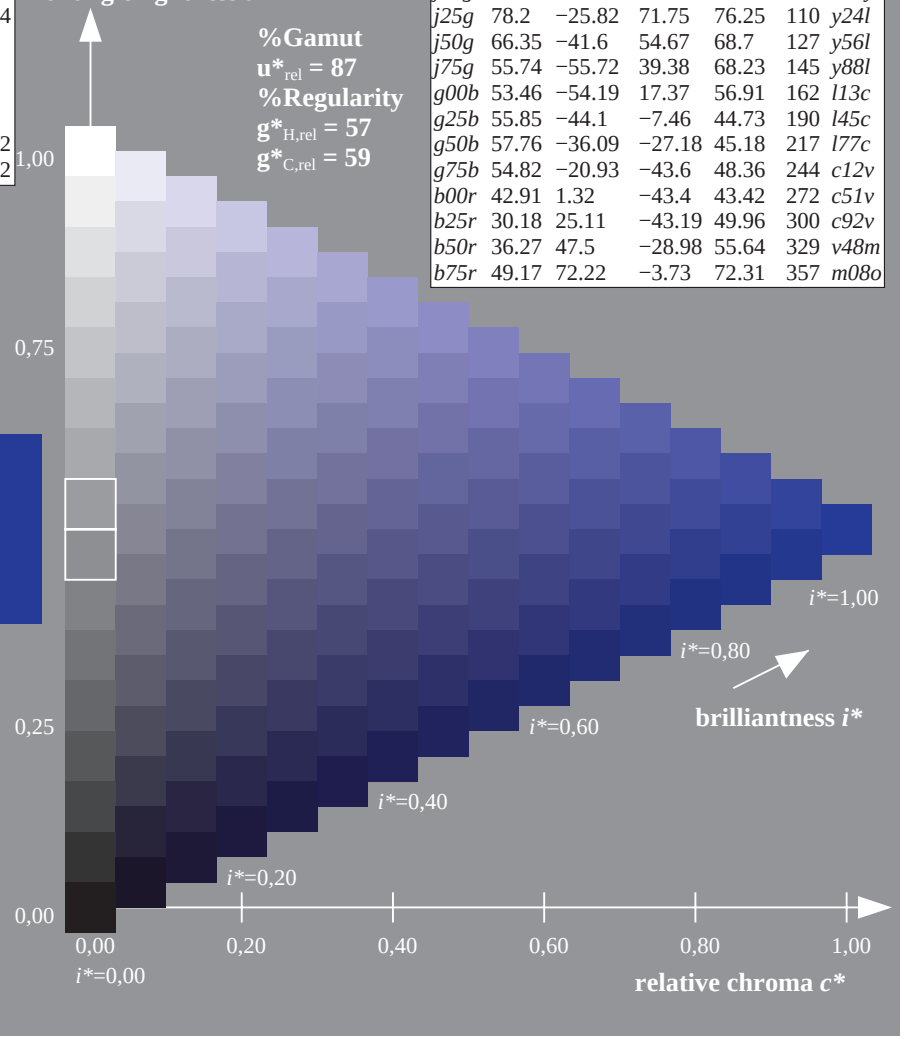
$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

lab*tch* **and** ***lab*icu****

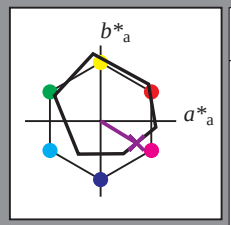
Hue texts:

$u^*_e = b50r$ $u^*_d = v48m$

contrast reduction factor:

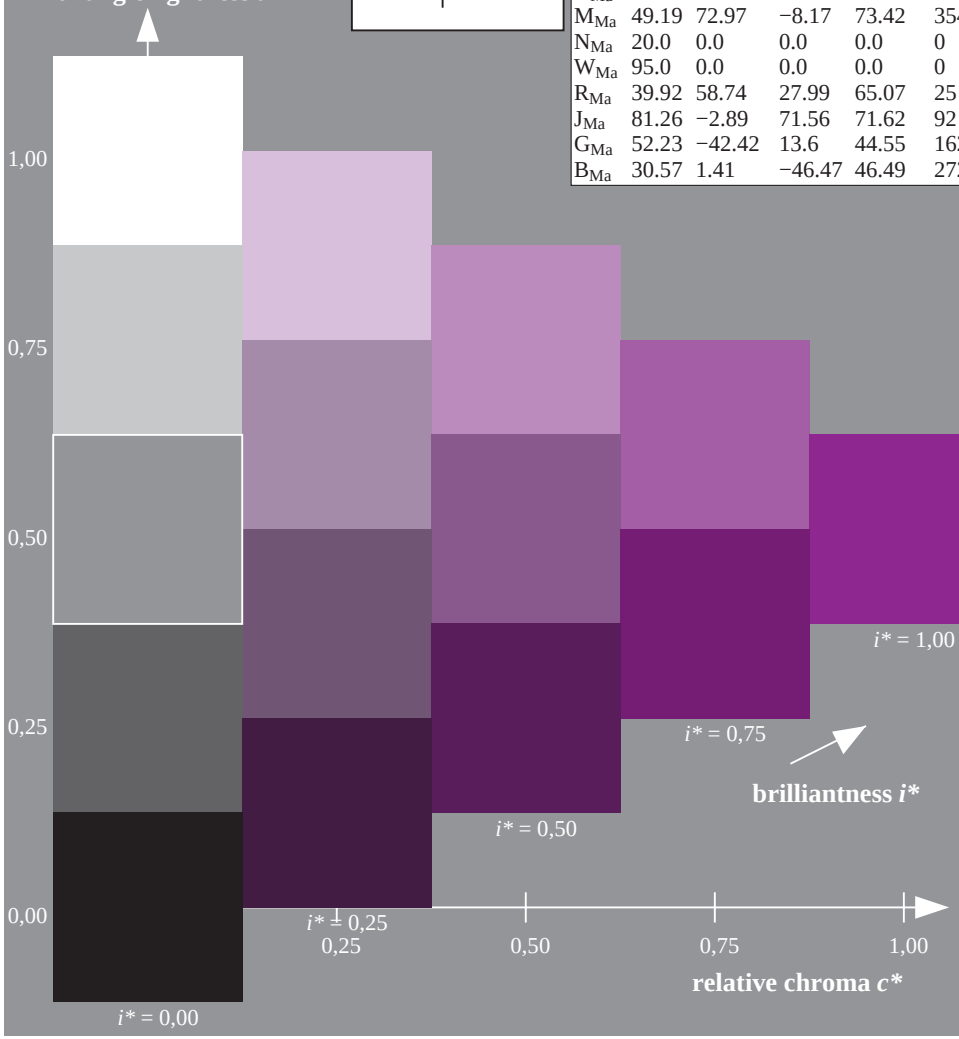
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 36 47 −29**

LAB*LCH*$_{Ma}$**: 36 56 328**

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

lab*olv*$_{Ma}$**: 0.49 0.0 1.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

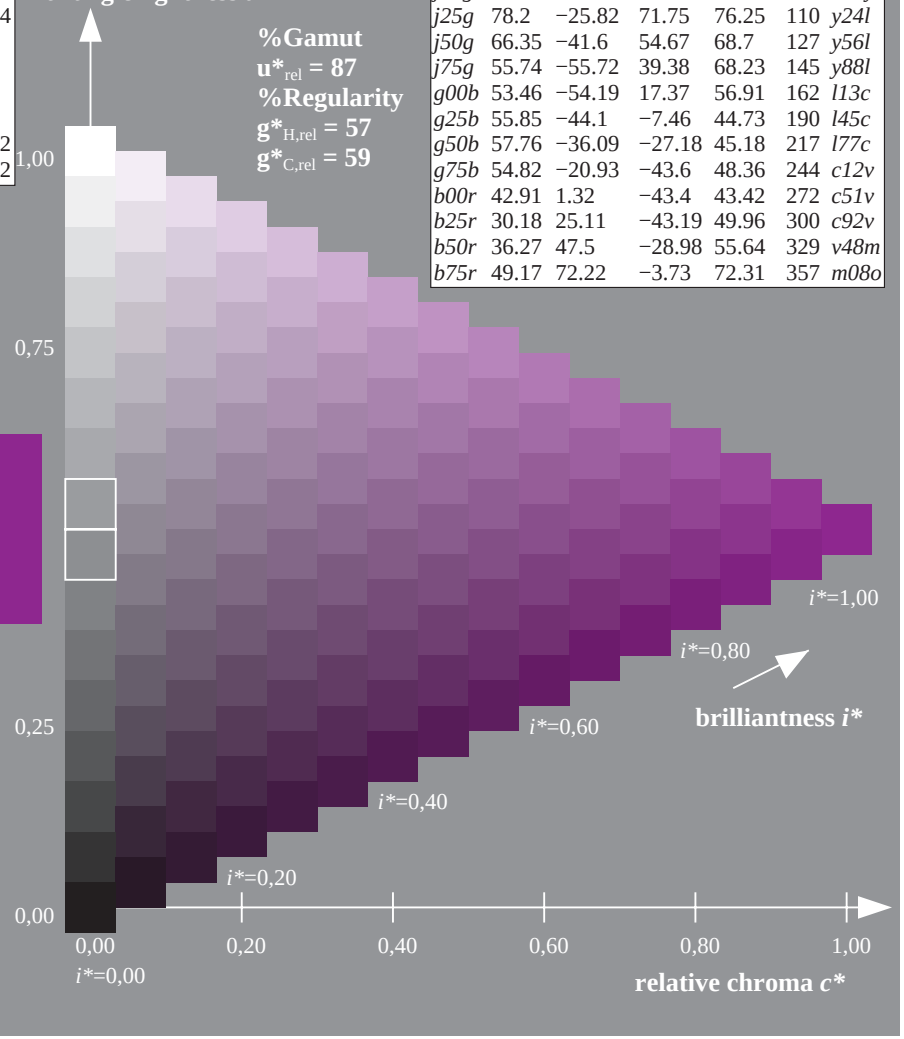
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

lab*tch* **and** ***lab*icu****

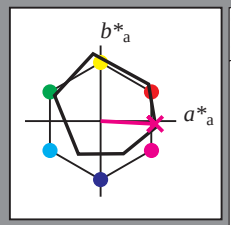
Hue texts:

$u^*_e = b75r$ $u^*_d = m08o$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 49 72 −4**

LAB*LCH*$_{Ma}$**: 49 72 357**

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

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

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

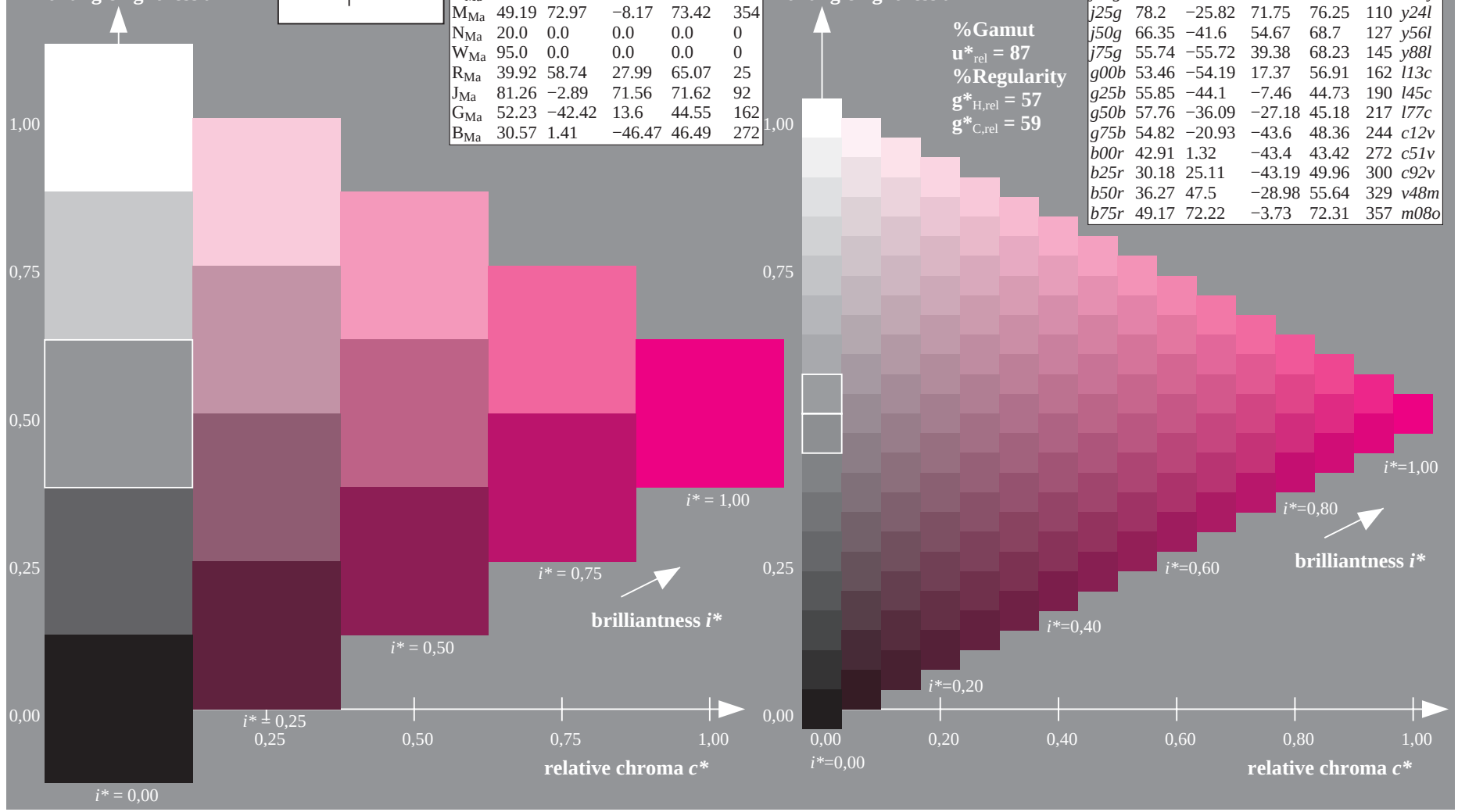
%Regularity

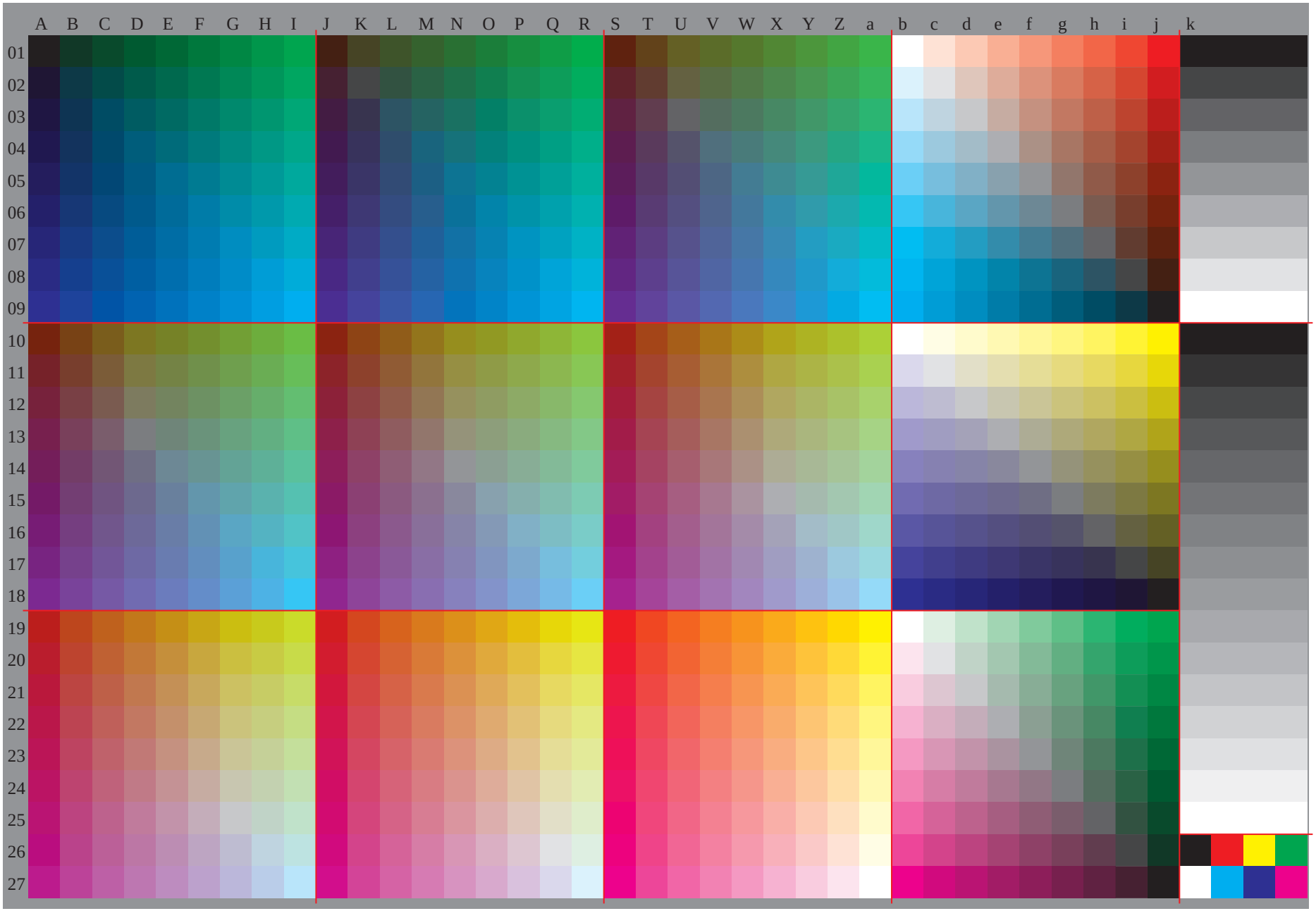
$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

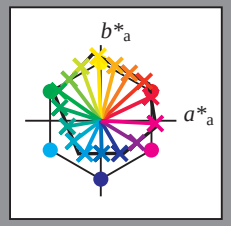



A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

Input and output:
Colorimetric Printer Reflective System ORS18_95aM
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.97

ORS18_95aM; adapted (a) CIELAB data

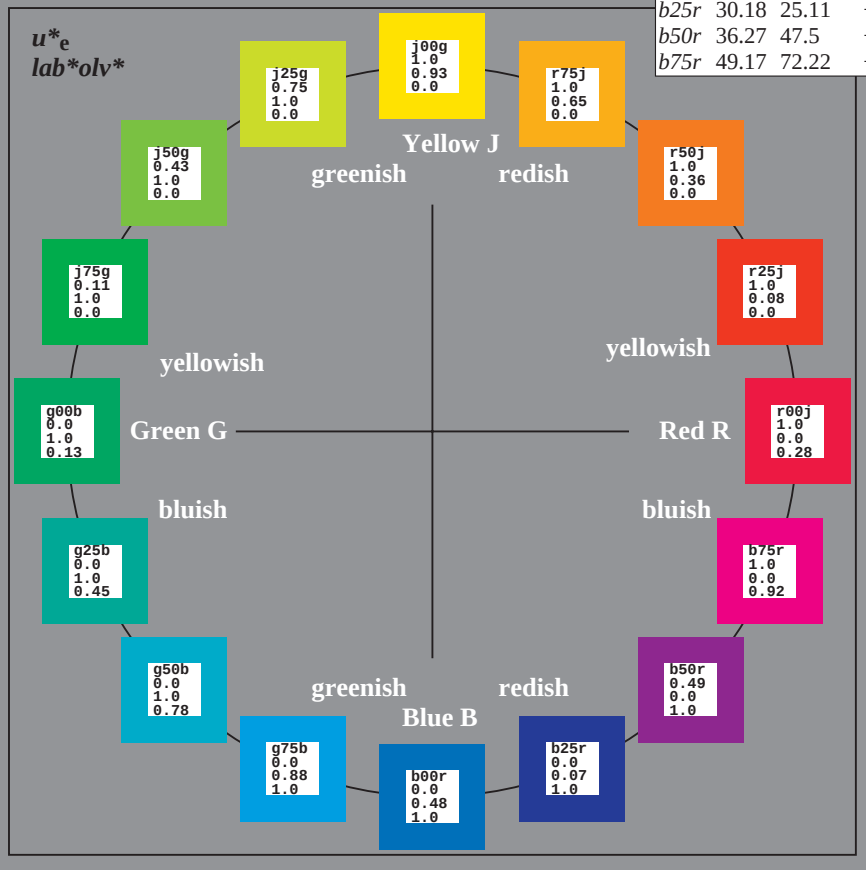
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

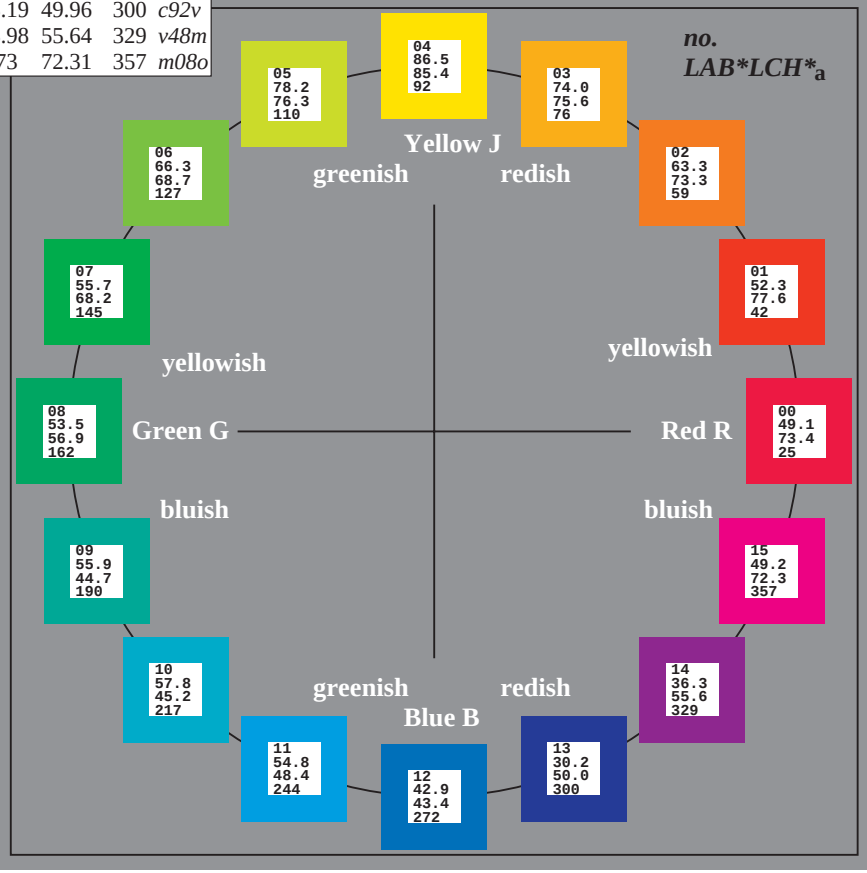


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

*lab*tch** and *lab*icu**

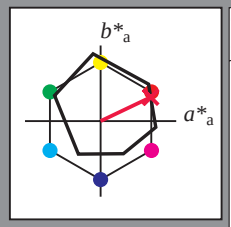
Hue texts:

u^*_e = *r00j* u^*_d = *m72o*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 49 66 32

*LAB*LCH**$_{Ma}$: 49 73 25

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

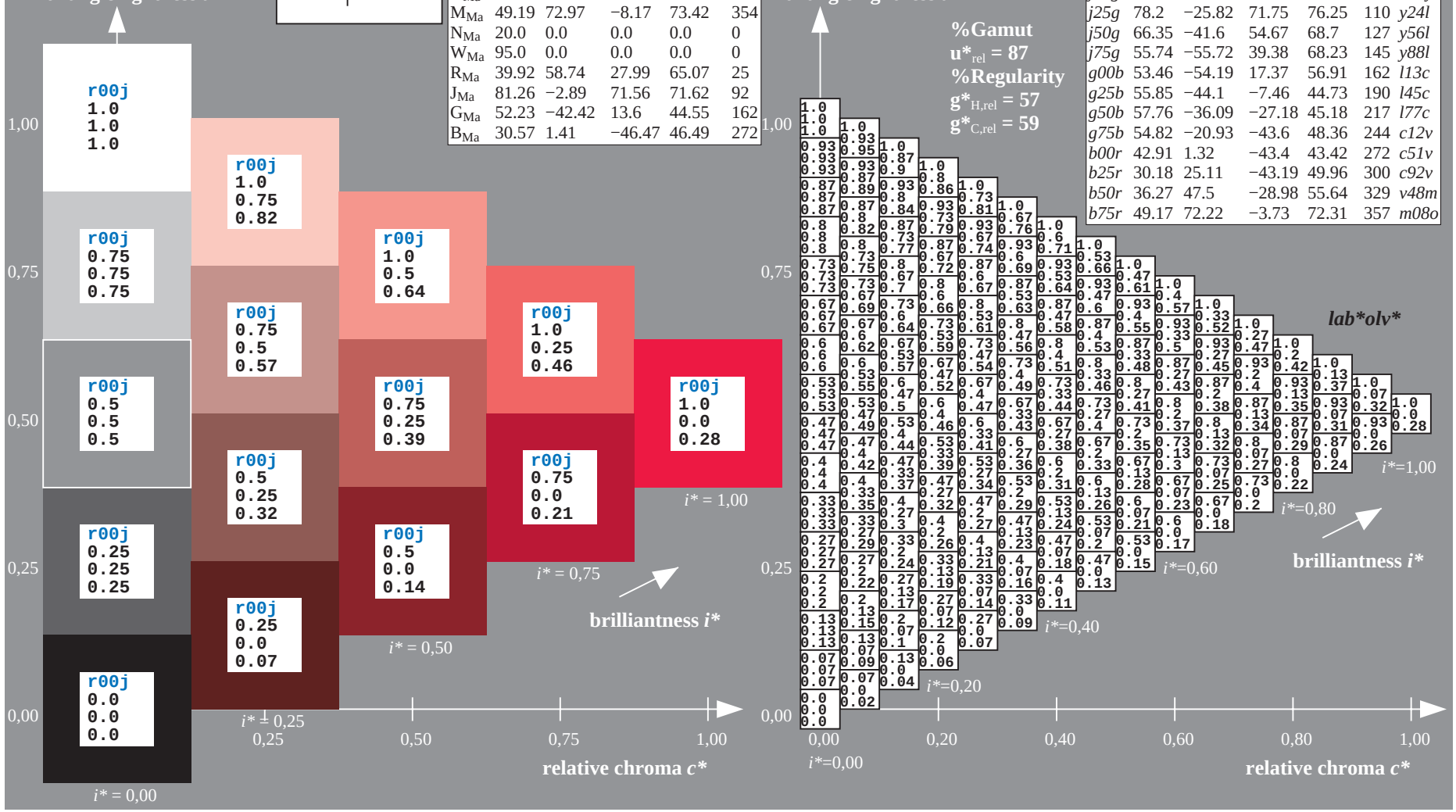
*lab*olv**$_{Ma}$: 1.0 0.0 0.28

u^*_e = *r00j*

lab*olv*

ORS18_95aM; adapted (a) CIELAB data

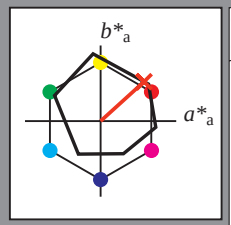
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

$u^*_e = r25j$
lab*olv*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_e = r25j$ $u^*_d = o08y$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



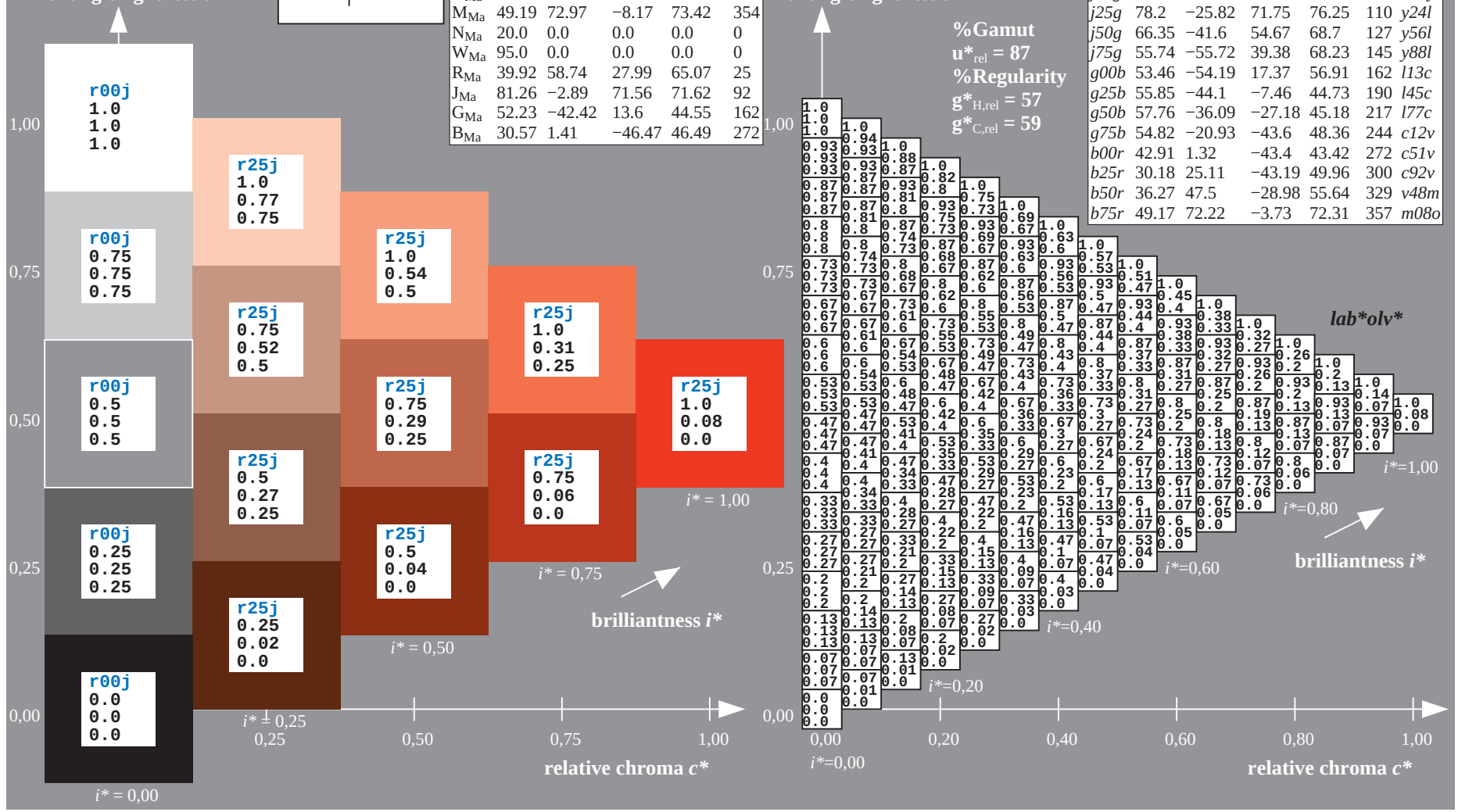
ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 52 57 52
LAB*LCH*$_{Ma}$: 52 78 42
lab*rgb*$_{Ma}$: 1.0 0.25 0.0
lab*olv*$_{Ma}$: 1.0 0.08 0.0
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

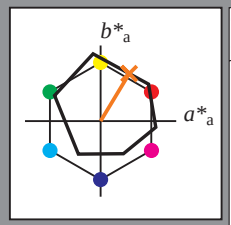
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

$u^*_e = r50j$
lab*olv*

data for any colour:
lab*tch **and** ***lab*icu****
Hue texts:
$u^*_e = r50j$ $u^*_d = o36y$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

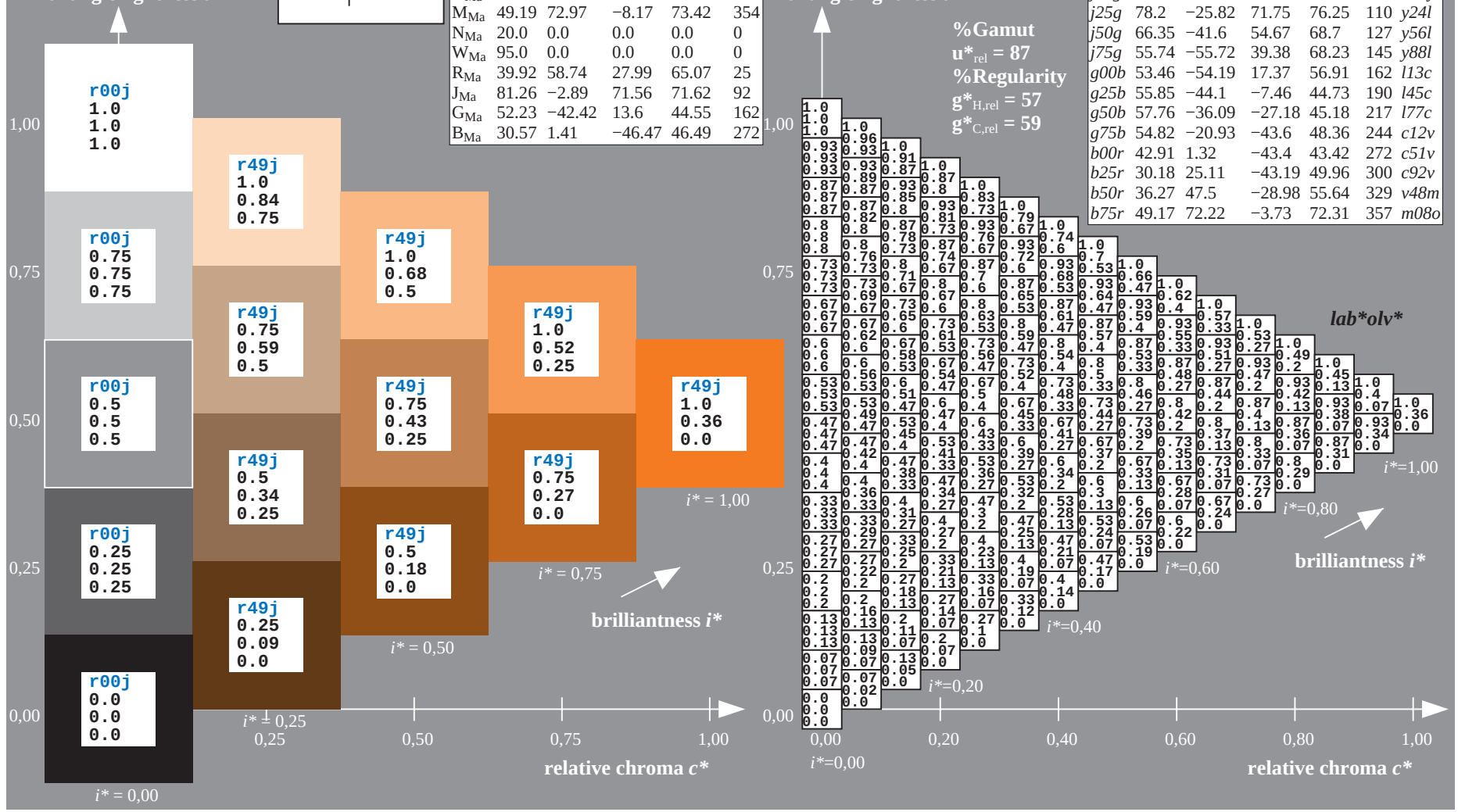
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 63 38 63**
***LAB*LCH*Ma*: 63 73 58**
***lab*rgb*Ma*: 1.0 0.5 0.0**
***lab*olv*Ma*: 1.0 0.36 0.0**
triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

*lab*tch** and *lab*icu**

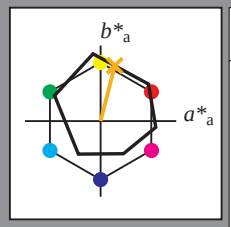
Hue texts:

u^*_e = *r75j* u^*_d = *o64y*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

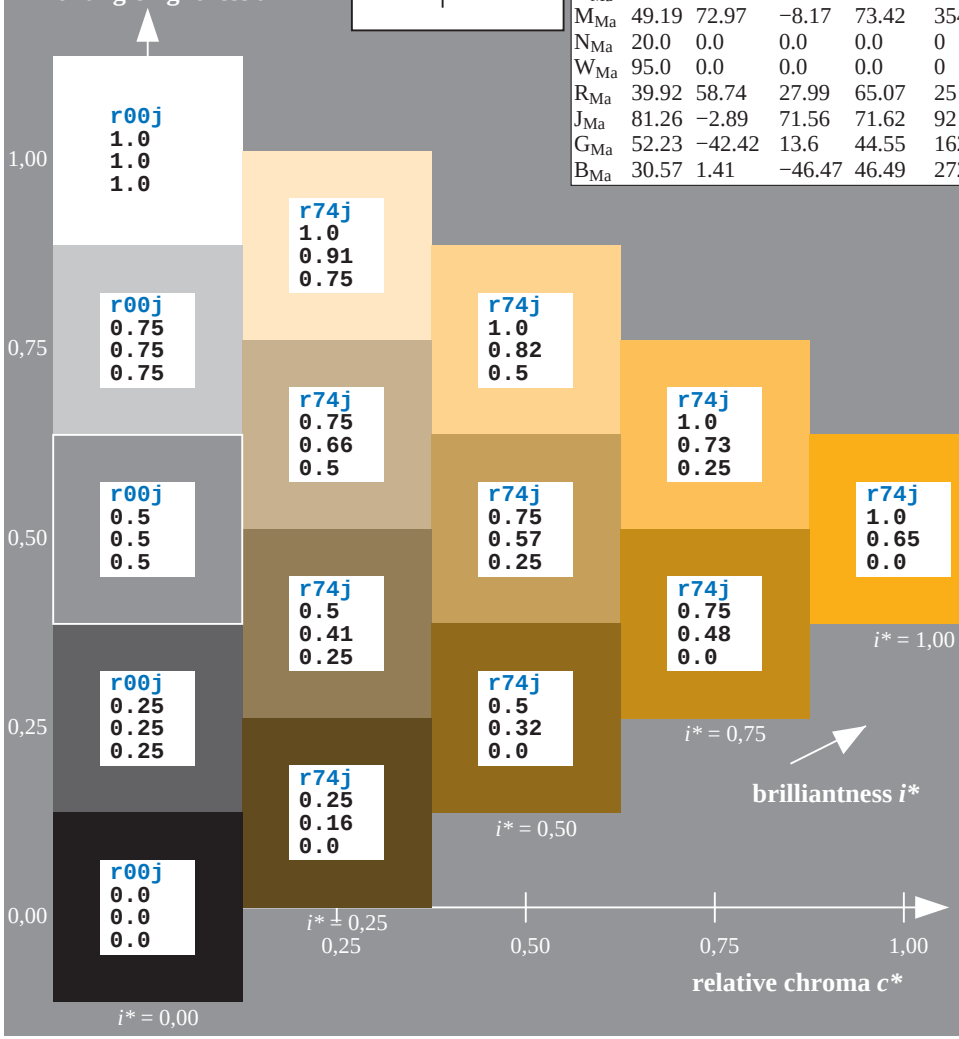
*LAB*LAB**$_{Ma}$: 74 19 73

*LAB*LCH**$_{Ma}$: 74 76 75

*lab*rgb**$_{Ma}$: 1.0 0.75 0.0

*lab*olv**$_{Ma}$: 1.0 0.65 0.0

triangle lightness *t**



%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

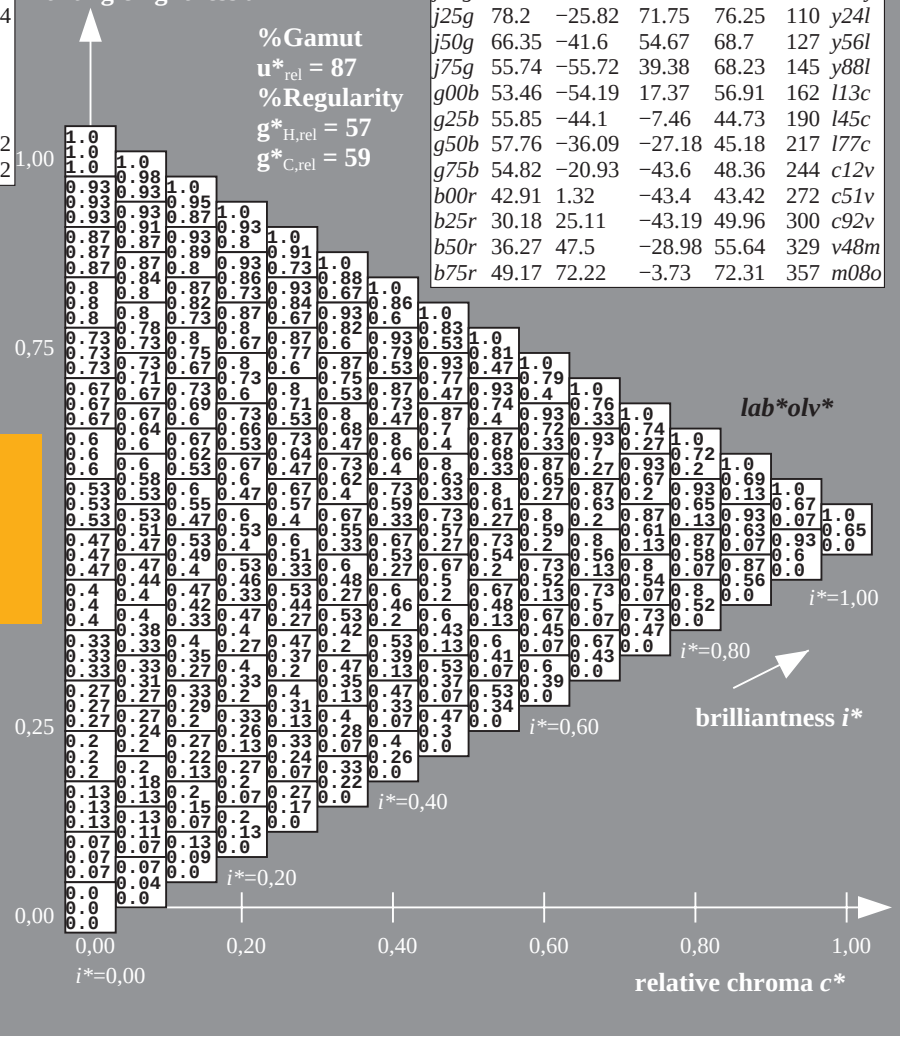
$g^*_{C,rel} = 59$

u^*_e = *r75j*

*lab*olv**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

*lab*tch** and *lab*icu**

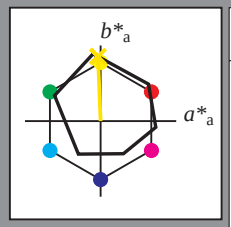
Hue texts:

u^*_e = *j00g* u^*_d = *o92y*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 86 −3 85**

***LAB*LCH**$_{Ma}$: 86 85 92**

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

***lab*olv**$_{Ma}$: 1.0 0.93 0.0**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 57

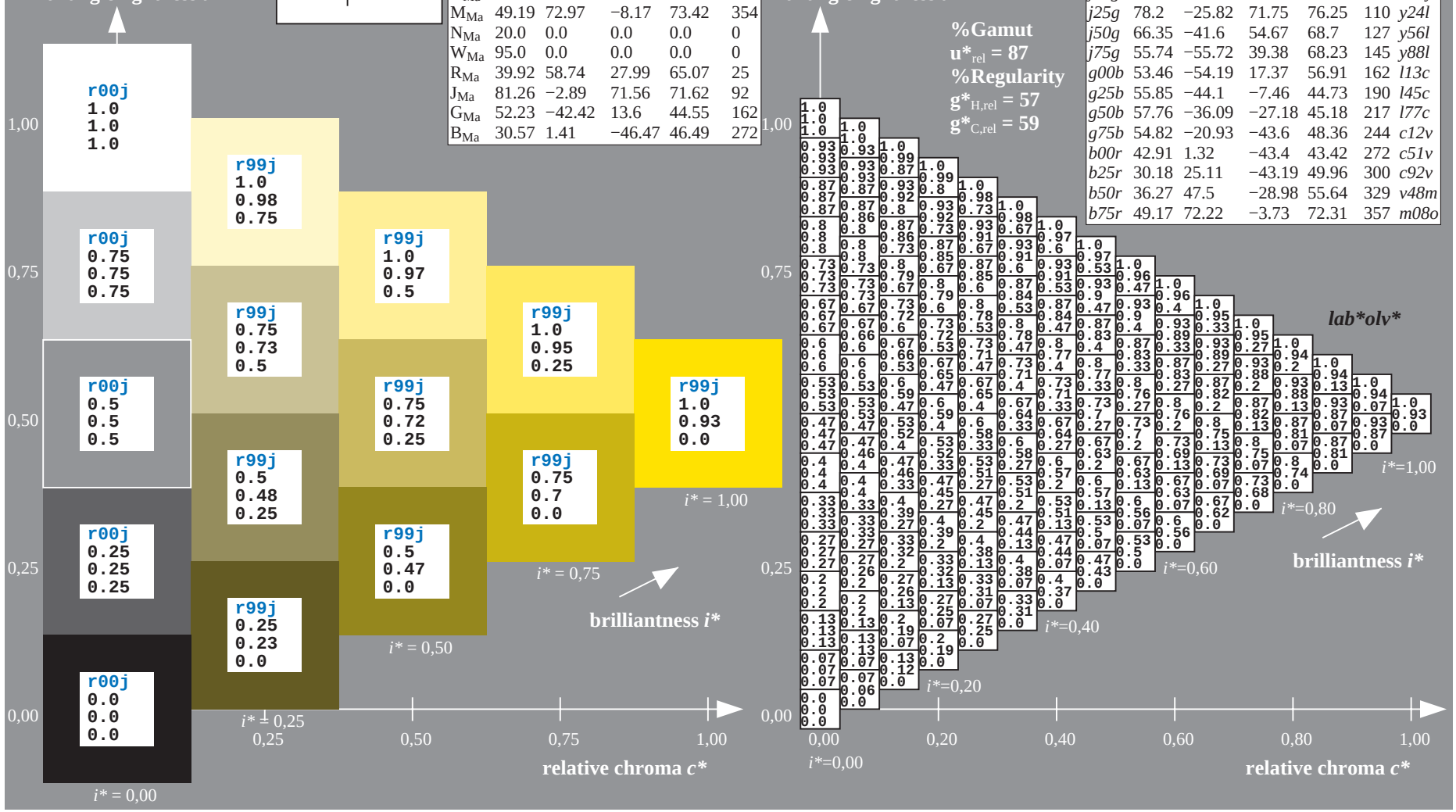
$g^*_{C,rel}$ = 59

u^*_e = *j00g*

lab*olv*

ORS18_95aM; adapted (a) CIELAB data

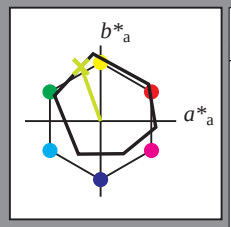
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

$u^*_e = j25g$
lab*olv*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_e = j25g$ $u^*_d = y24l$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

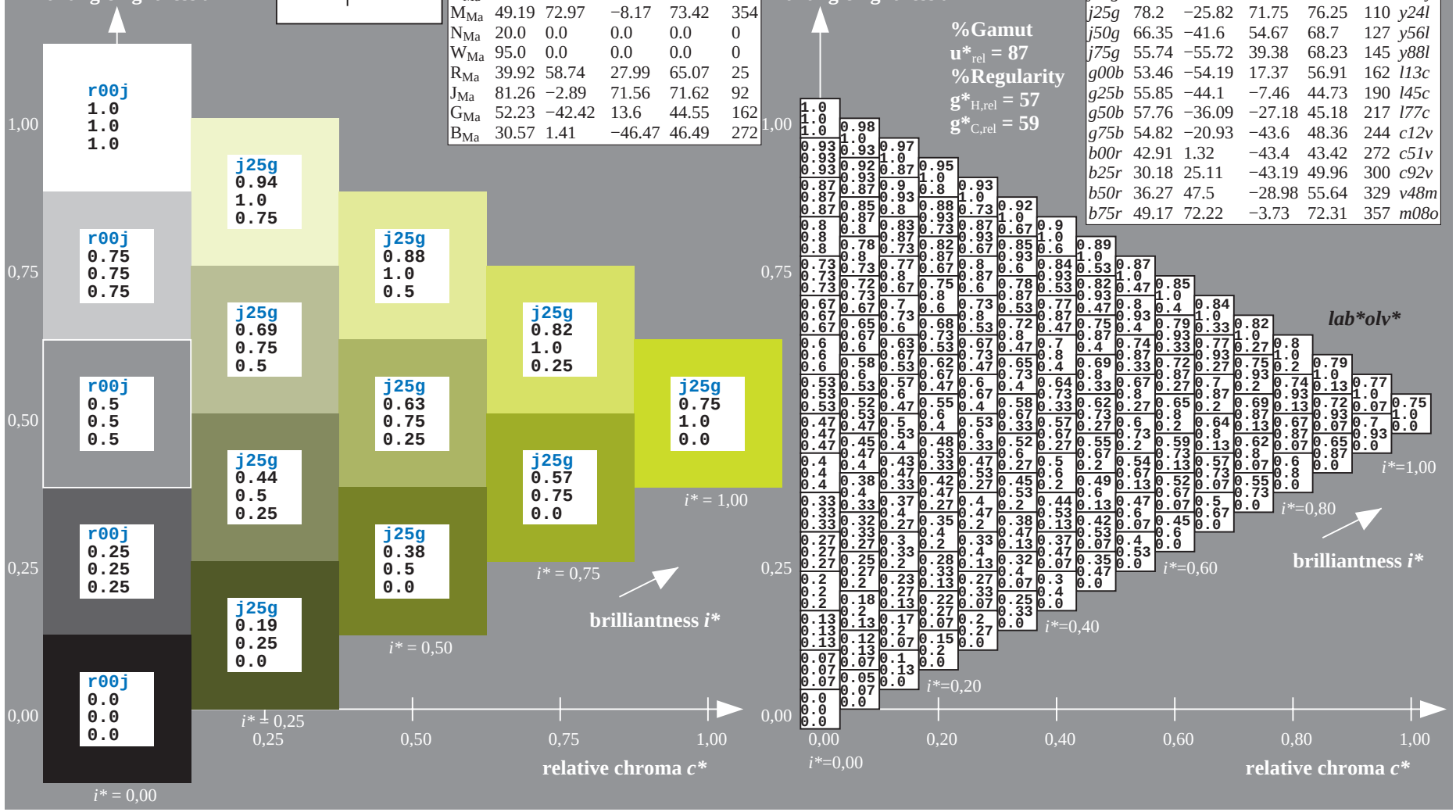
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 78 −26 72**
LAB*LCH*$_{Ma}$**: 78 76 109**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.75 1.0 0.0**
triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 57$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

*lab*tch** and *lab*icu**

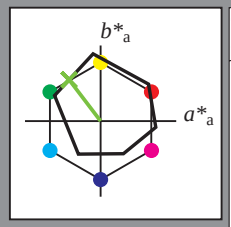
Hue texts:

u^*_e = *j50g* u^*_d = *y56l*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 66 −42 55**

***LAB*LCH*Ma*: 66 69 127**

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

***lab*olv*Ma*: 0.43 1.0 0.0**

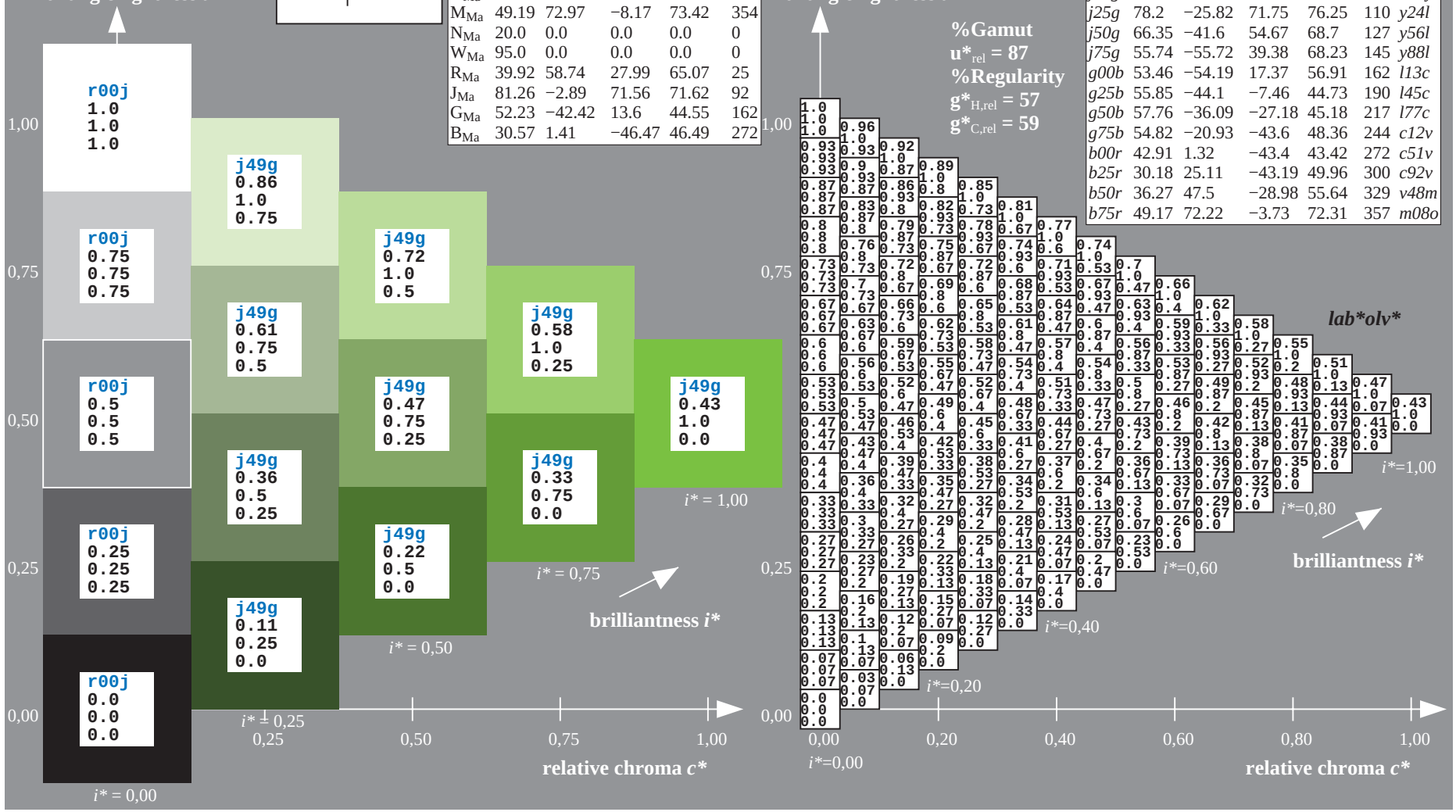
triangle lightness *t**

u^*_e = *j50g*

lab*olv*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

*lab*tch** and *lab*icu**

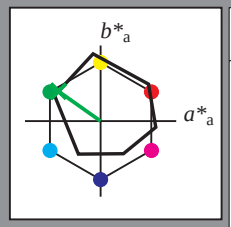
Hue texts:

u^*_e = *j75g* u^*_d = *y88l*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 56 −56 39**

***LAB*LCH*$_{Ma}$*: 56 68 144**

***lab*rgb*$_{Ma}$*: 0.25 1.0 0.0**

***lab*olv*$_{Ma}$*: 0.11 1.0 0.0**

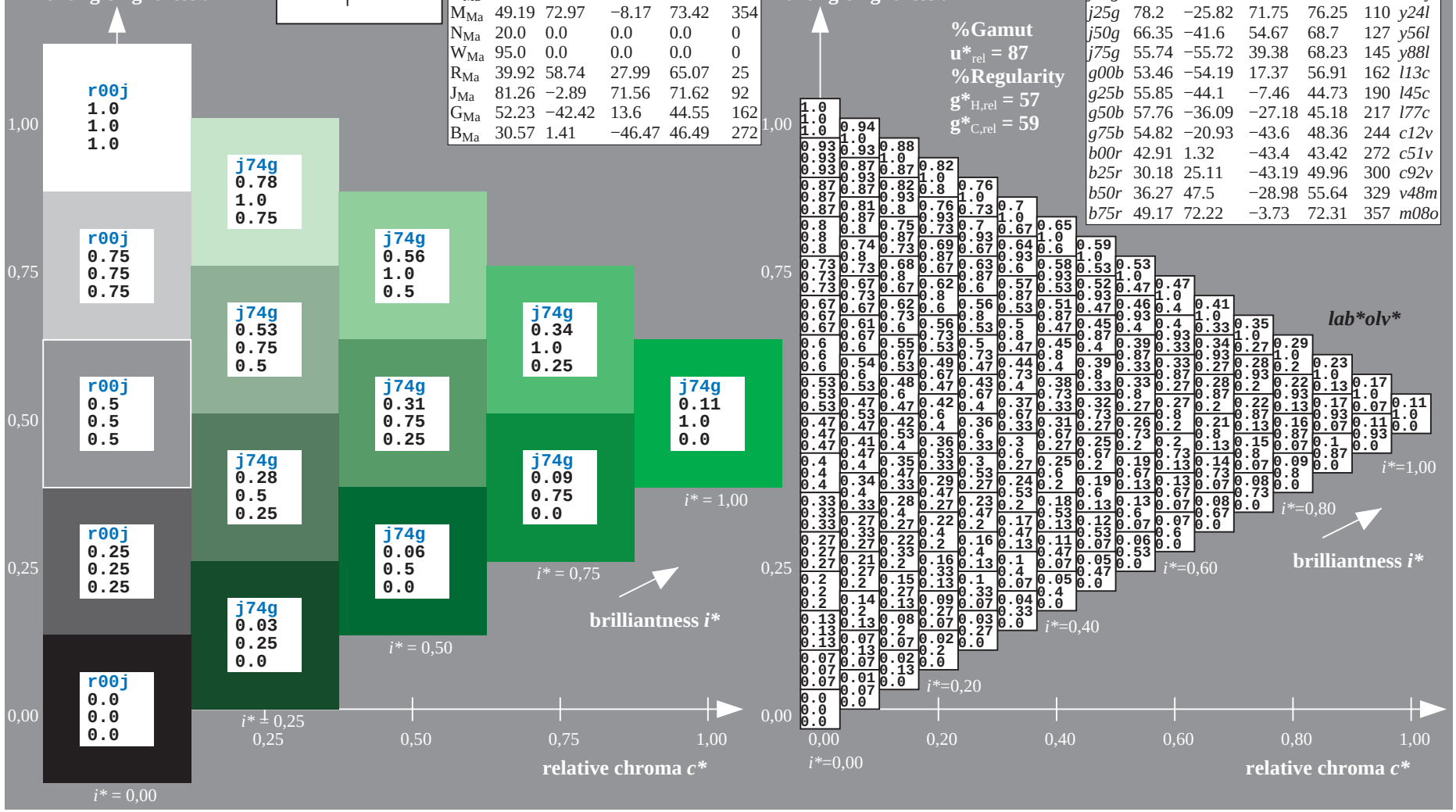
triangle lightness *t**

u^*_e = *j75g*

lab*olv*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

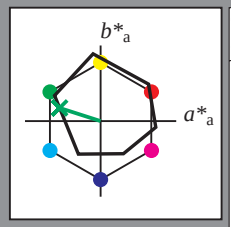
Hue texts:

u^*_e = *g00b* u^*_d = *l13c*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 53 −54 17**

***LAB*LCH**$_{Ma}$: 53 57 162**

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

***lab*olv**$_{Ma}$: 0.0 1.0 0.13**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 57

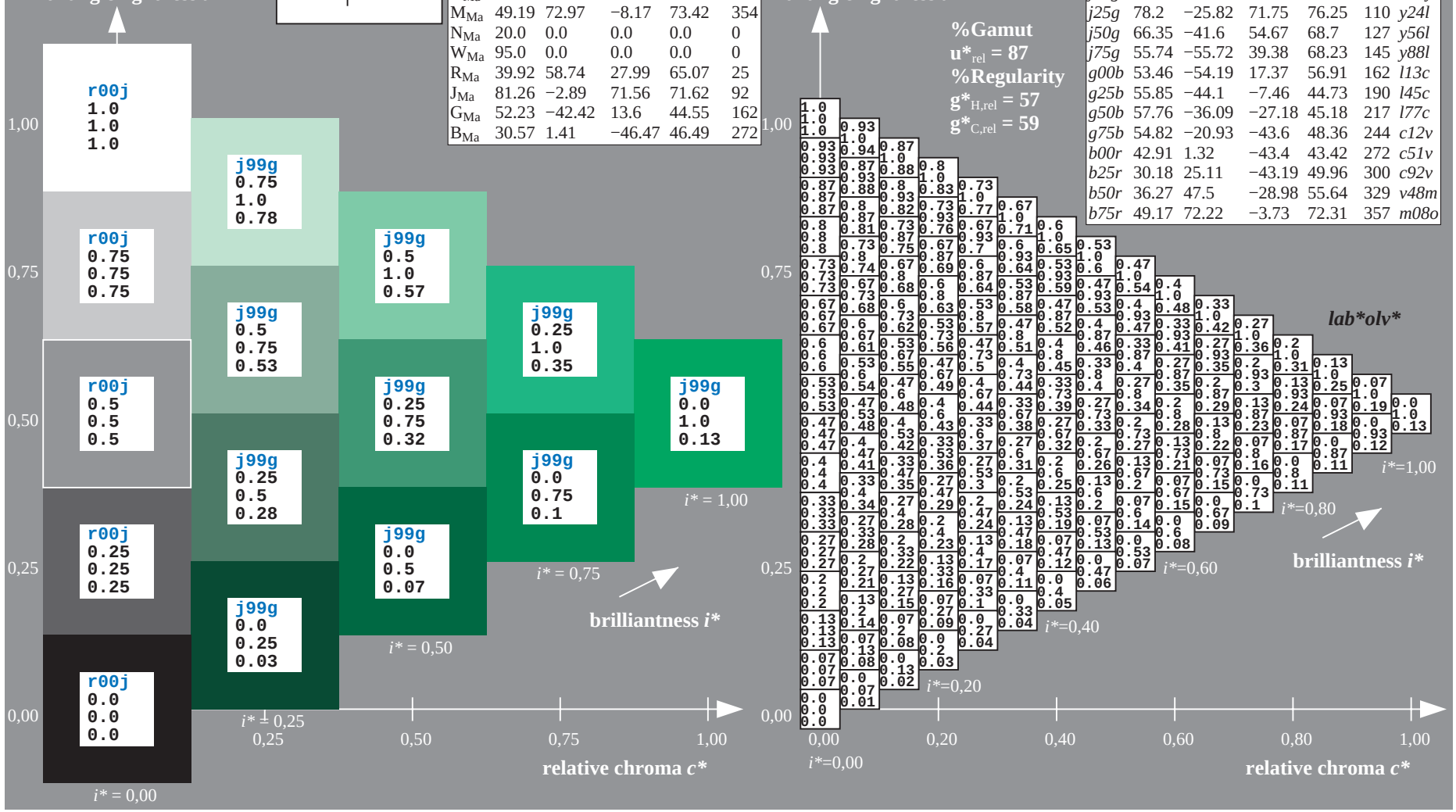
$g^*_{C,rel}$ = 59

u^*_e = *g00b*

lab*olv*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

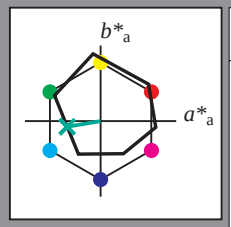
Hue texts:

u^*_e = *g25b* u^*_d = *l45c*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 56 −44 −7

*LAB*LCH**$_{Ma}$: 56 45 189

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

*lab*olv**$_{Ma}$: 0.0 1.0 0.45

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

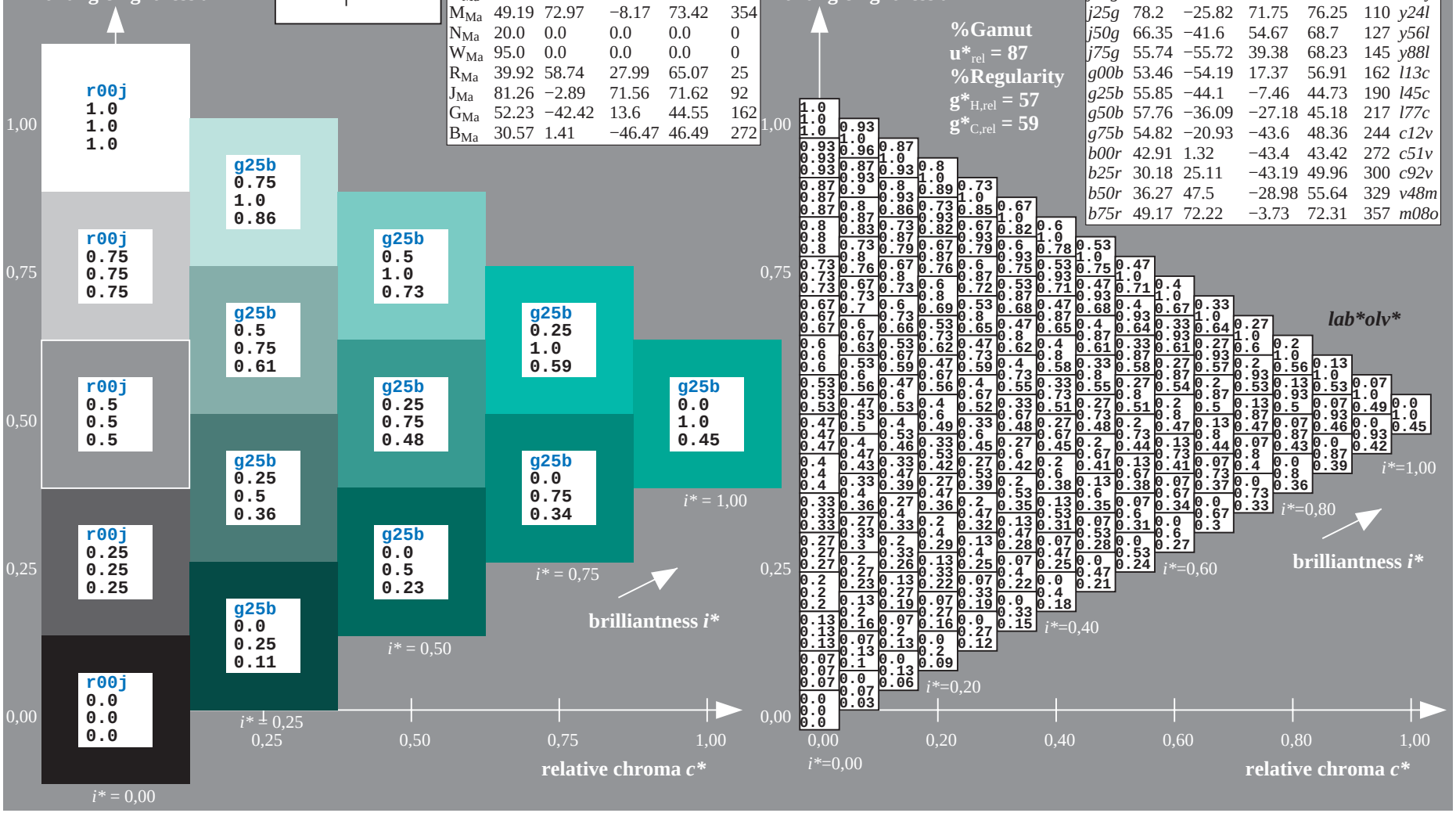
$g^*_{C,rel} = 59$

u^*_e = *g25b*

*lab*olv**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

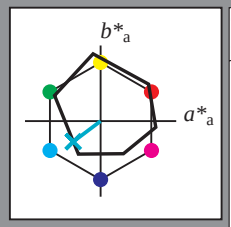
Hue texts:

u^*_e = *g50b* u^*_d = *l77c*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 58 −36 −27**

***LAB*LCH**$_{Ma}$: 58 45 216**

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

***lab*olv**$_{Ma}$: 0.0 1.0 0.78**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

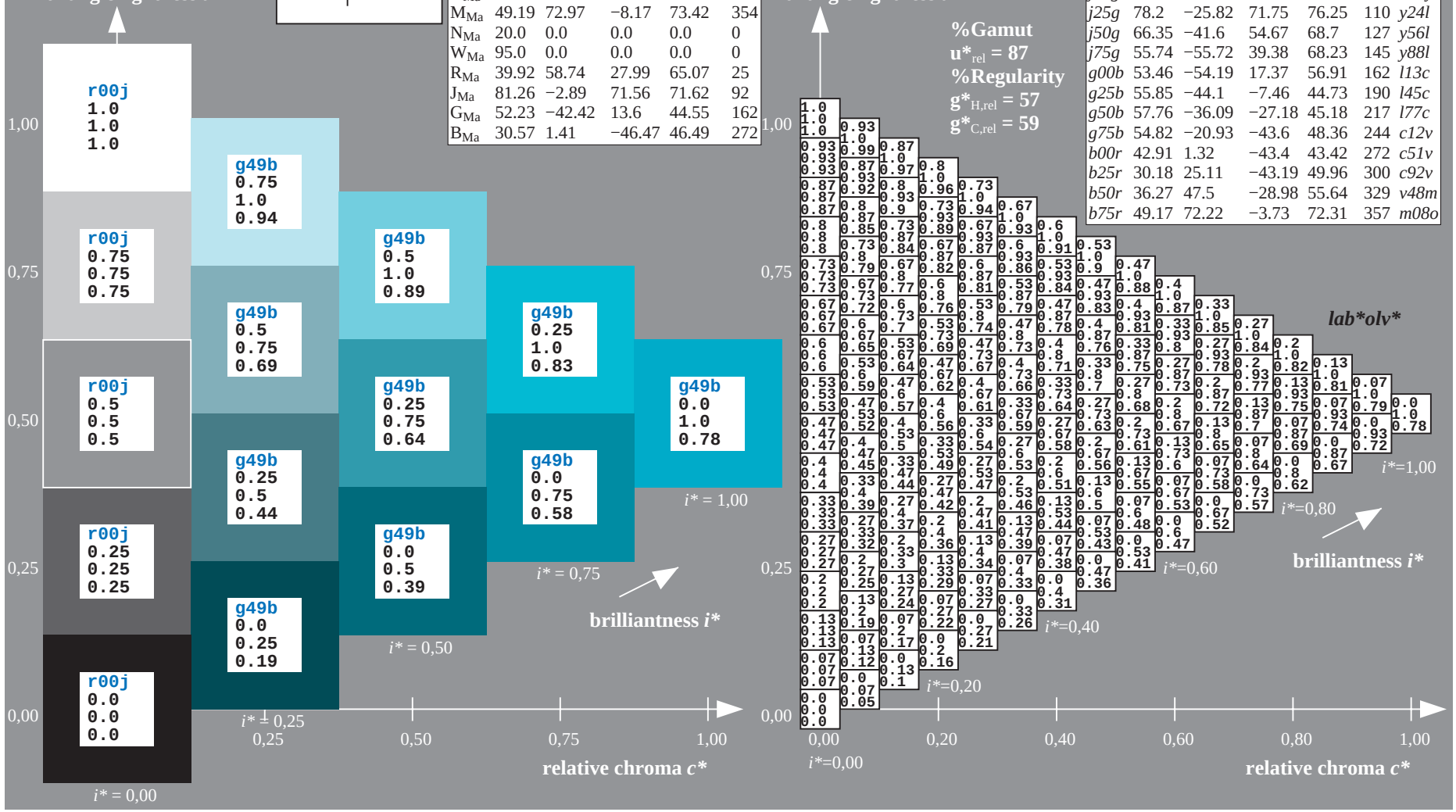
$g^*_{C,rel} = 59$

u^*_e = *g50b*

lab*olv*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

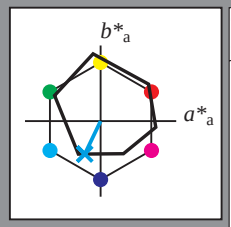
Hue texts:

u^*_e = *g75b* u^*_d = *c12v*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 55 −21 −44

*LAB*LCH**$_{Ma}$: 55 48 244

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

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

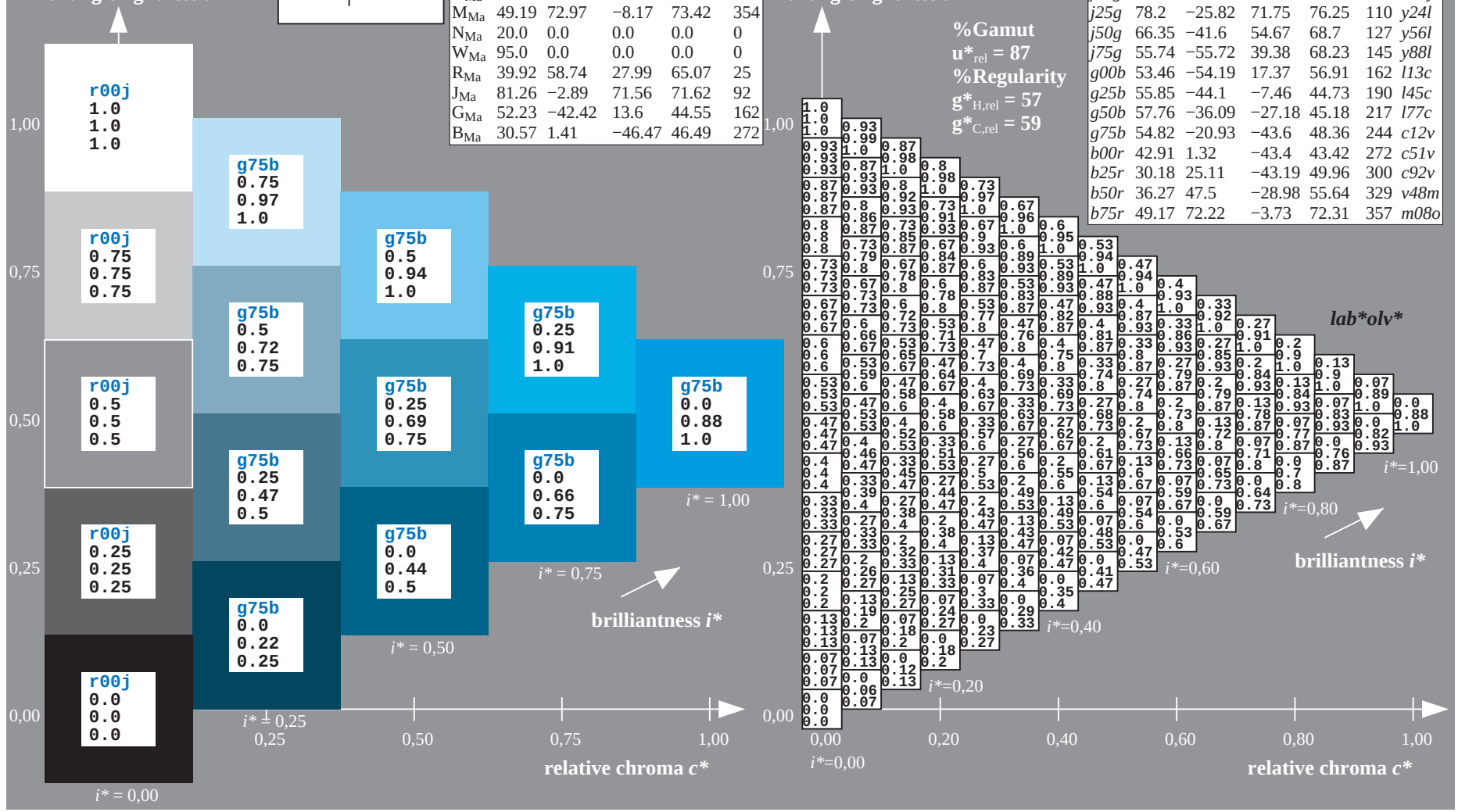
triangle lightness *t**

u^*_e = *g75b*

*lab*olv**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

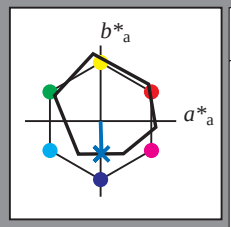
Hue texts:

u^*_e = *b00r* u^*_d = *c51v*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 43 1 −43

*LAB*LCH**$_{Ma}$: 43 43 271

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

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

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

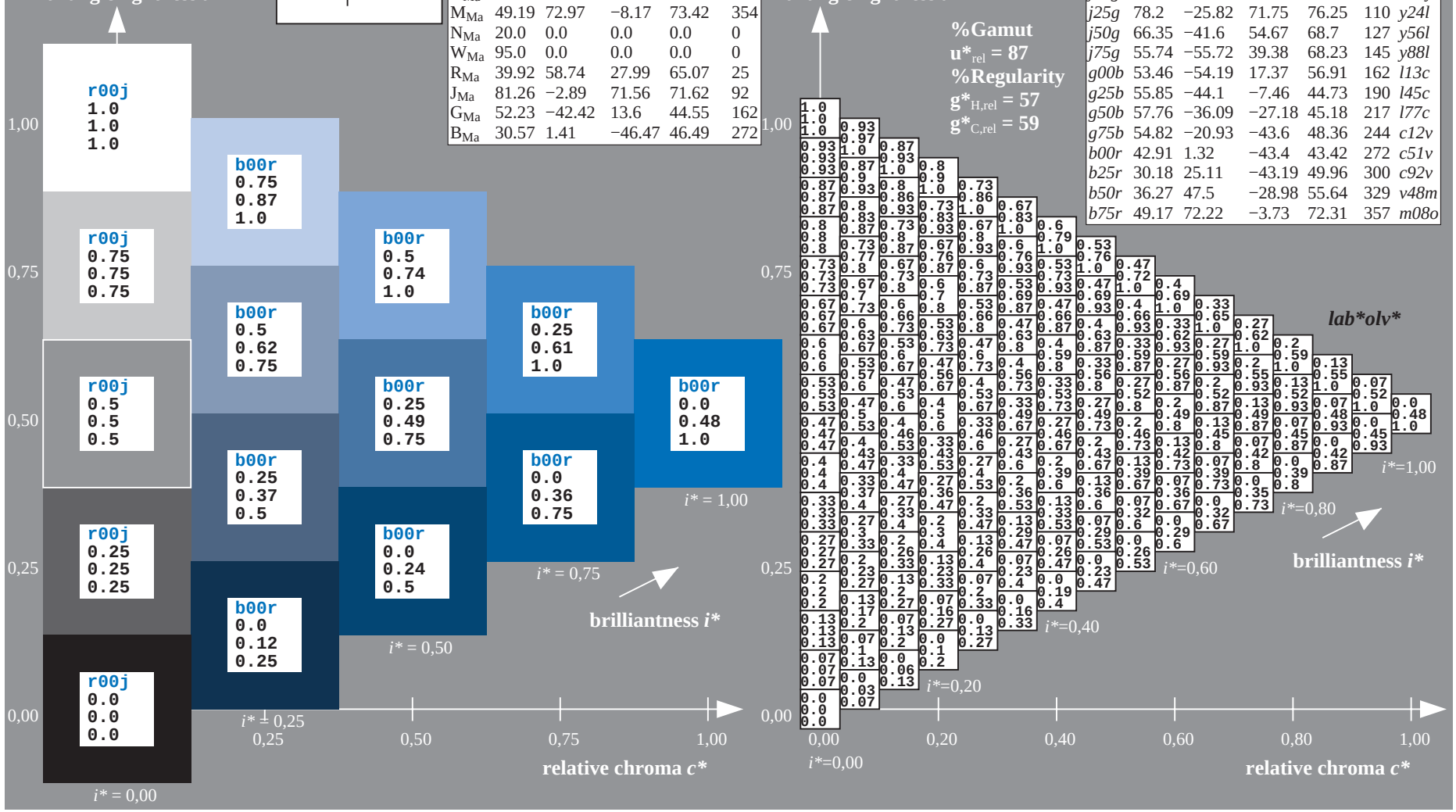
$g^*_{C,rel} = 59$

u^*_e = *b00r*

*lab*olv**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

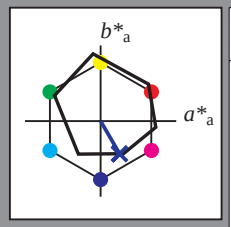
Hue texts:

u^*_e = *b25r* u^*_d = *c92v*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 30 25 −43

*LAB*LCH**$_{Ma}$: 30 50 300

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

*lab*olv**$_{Ma}$: 0.0 0.07 1.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

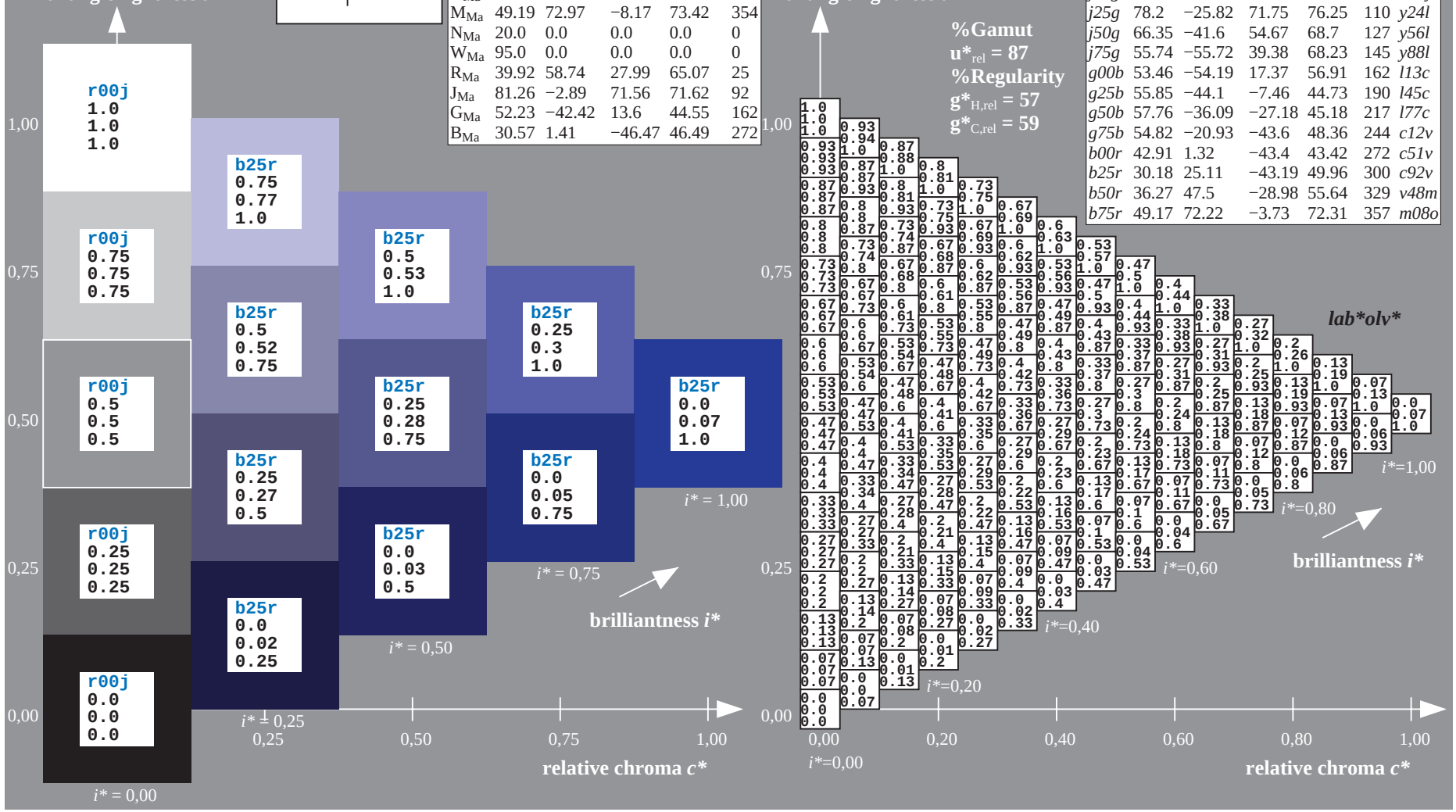
$g^*_{C,rel} = 59$

u^*_e = *b25r*

*lab*olv**

ORS18_95aM; adapted (a) CIELAB data

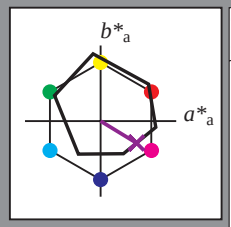
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

$u^*_e = b50r$
lab*olv*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_e = b50r$ $u^*_d = v48m$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



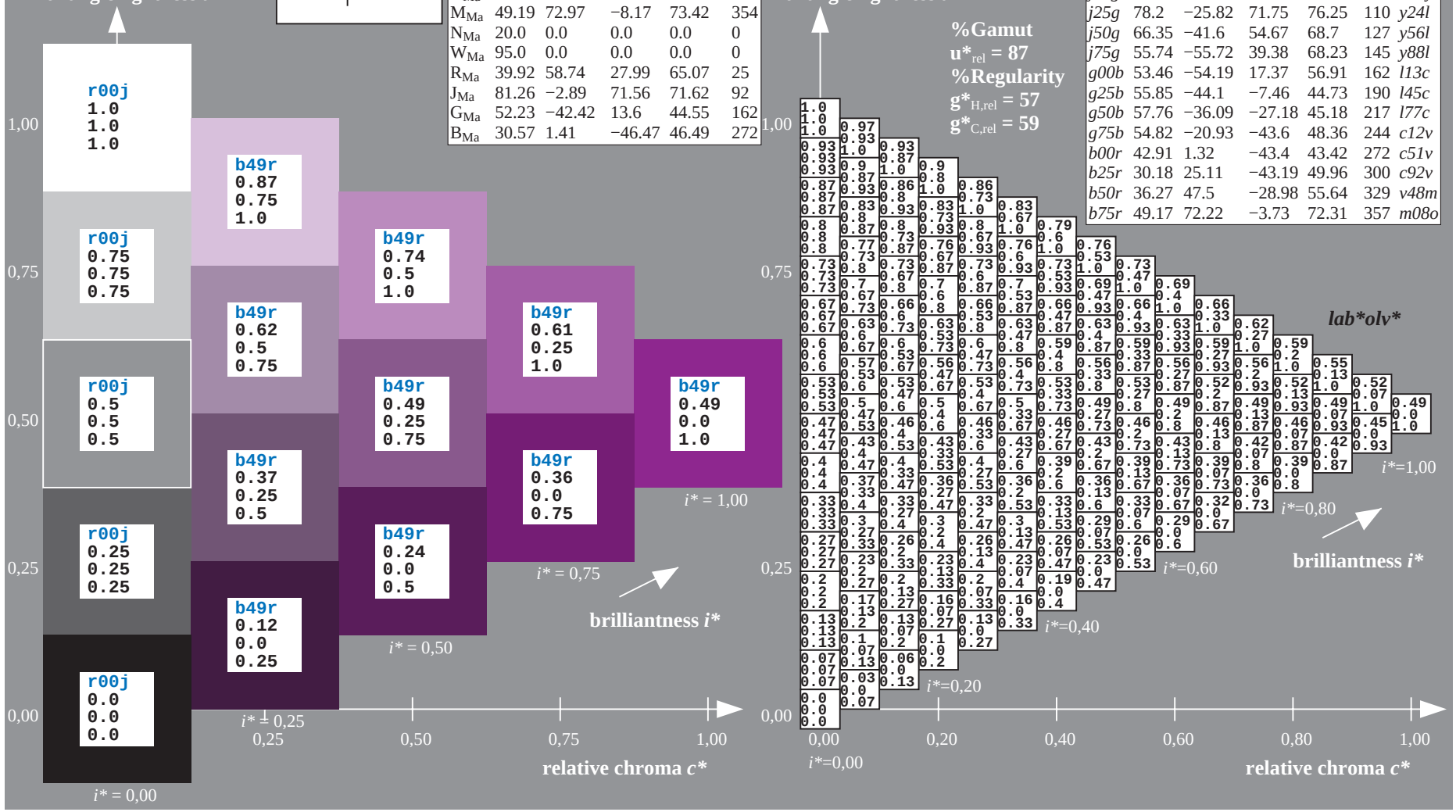
ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 36 47 −29**
LAB*LCH*$_{Ma}$**: 36 56 328**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.49 0.0 1.0**
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

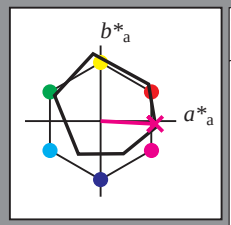
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

$u^*_e = b75r$
lab*olv*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_e = b75r$ $u^*_d = m08o$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



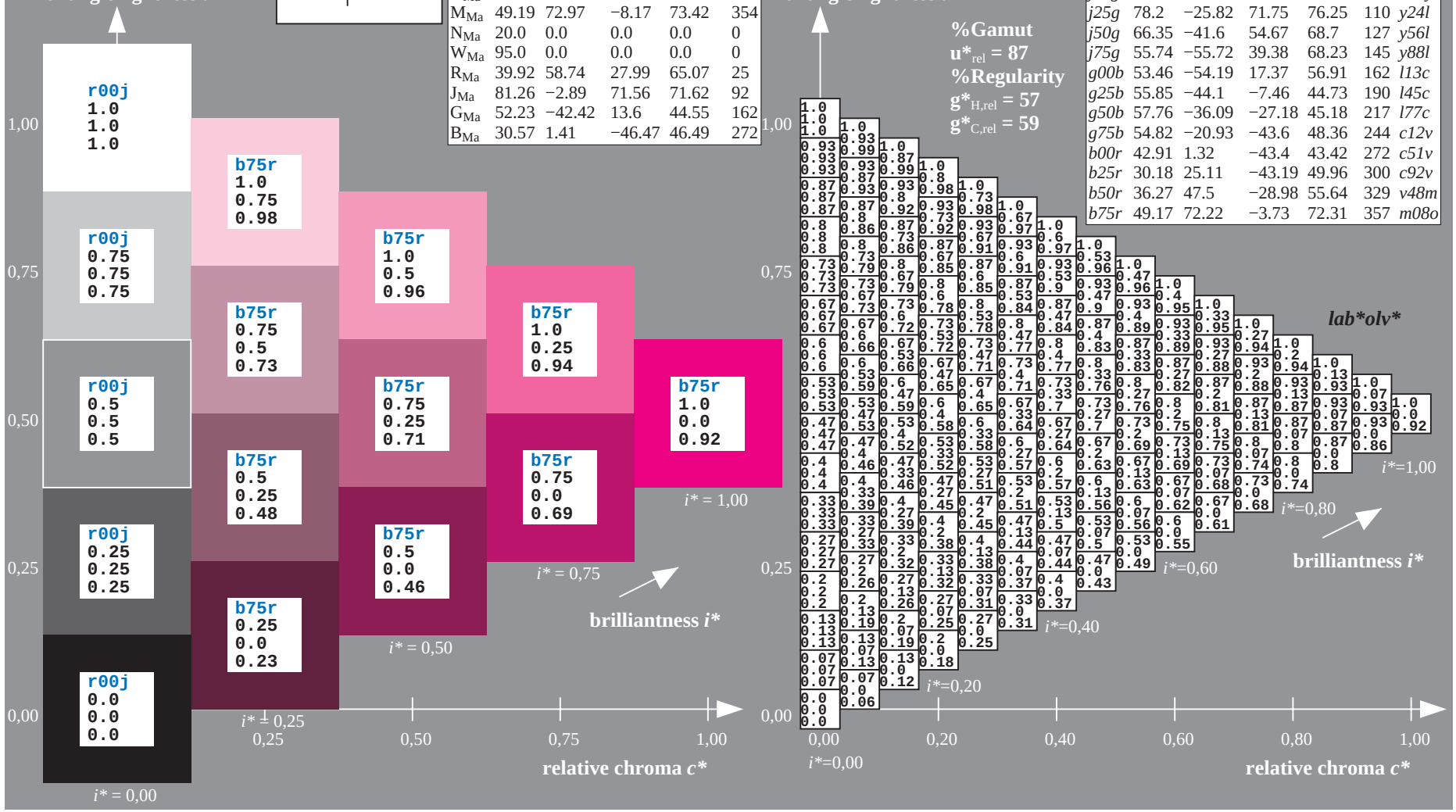
ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 49 72 −4
LAB*LCH*$_{Ma}$: 49 72 357
lab*rgb*$_{Ma}$: 1.0 0.0 0.5
lab*olv*$_{Ma}$: 1.0 0.0 0.92
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

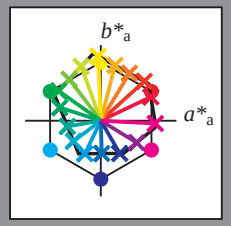


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	*lab*olv**			
01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25
04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38
	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38
	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63
	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.13	0.0	0.75	0.75	0.75	0.75
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.75
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.88	0.88	0.88	0.88
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.13	0.0	0.88	0.88	0.88	0.88
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	0.88
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0
10	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
11	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.88	0.88	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.07	0.07	0.07	0.07
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07
	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.07	0.07	0.07	0.07
12	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
13	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.2	0.2	0.2	0.2
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.2	0.2	0.2	0.2
	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.2	0.2	0.2	0.2
14	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.27	0.27	0.27	0.27
15	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.33	0.33	0.33	0.33
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.33	0.33	0.33	0.33
	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.33	0.33	0.33	0.33
16	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.4	0.4	0.4	0.4
17	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.47	0.47	0.47	0.47
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.47	0.47	0.47	0.47
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.47	0.47	0.47	0.47
18	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.53	0.53	0.53
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.53	0.53	0.53
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.53	0.53	0.53	0.53
19	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.6	0.6	0.6	0.6
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.6	0.6	0.6
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.6	0.6	0.6	0.6
20	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.67	0.67	0.67	0.67
	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.67	0.67	0.67	0.67
	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.67	0.67	0.67	0.67
21	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.73	0.73	0.73	0.73
	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.73	0.73	0.73	0.73
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.73	0.73	0.73	0.73
22	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.8	0.8	0.8	0.8
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.63	0.63	0.63	0.63	0.

Input and output:
Colorimetric Printer Reflective System ORS18_95aM
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.97

ORS18_95aM; adapted (a) CIELAB data

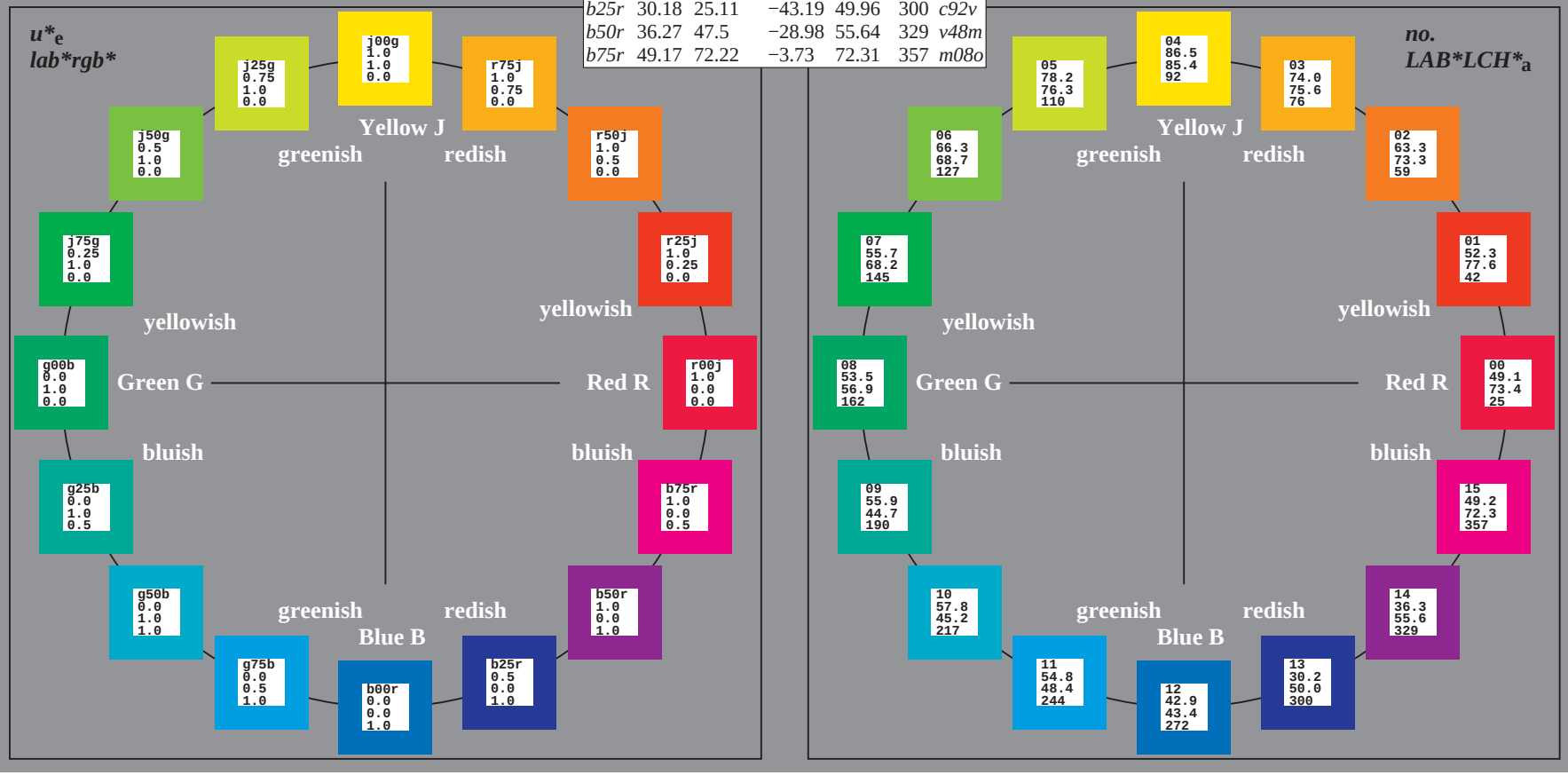
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

*lab*tch** and *lab*icu**

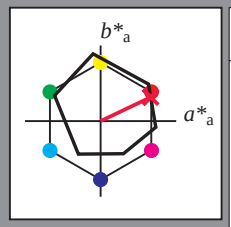
Hue texts:

u^*_e = *r00j* u^*_d = *m72o*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 49 66 32

*LAB*LCH**$_{Ma}$: 49 73 25

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

*lab*olv**$_{Ma}$: 1.0 0.0 0.28

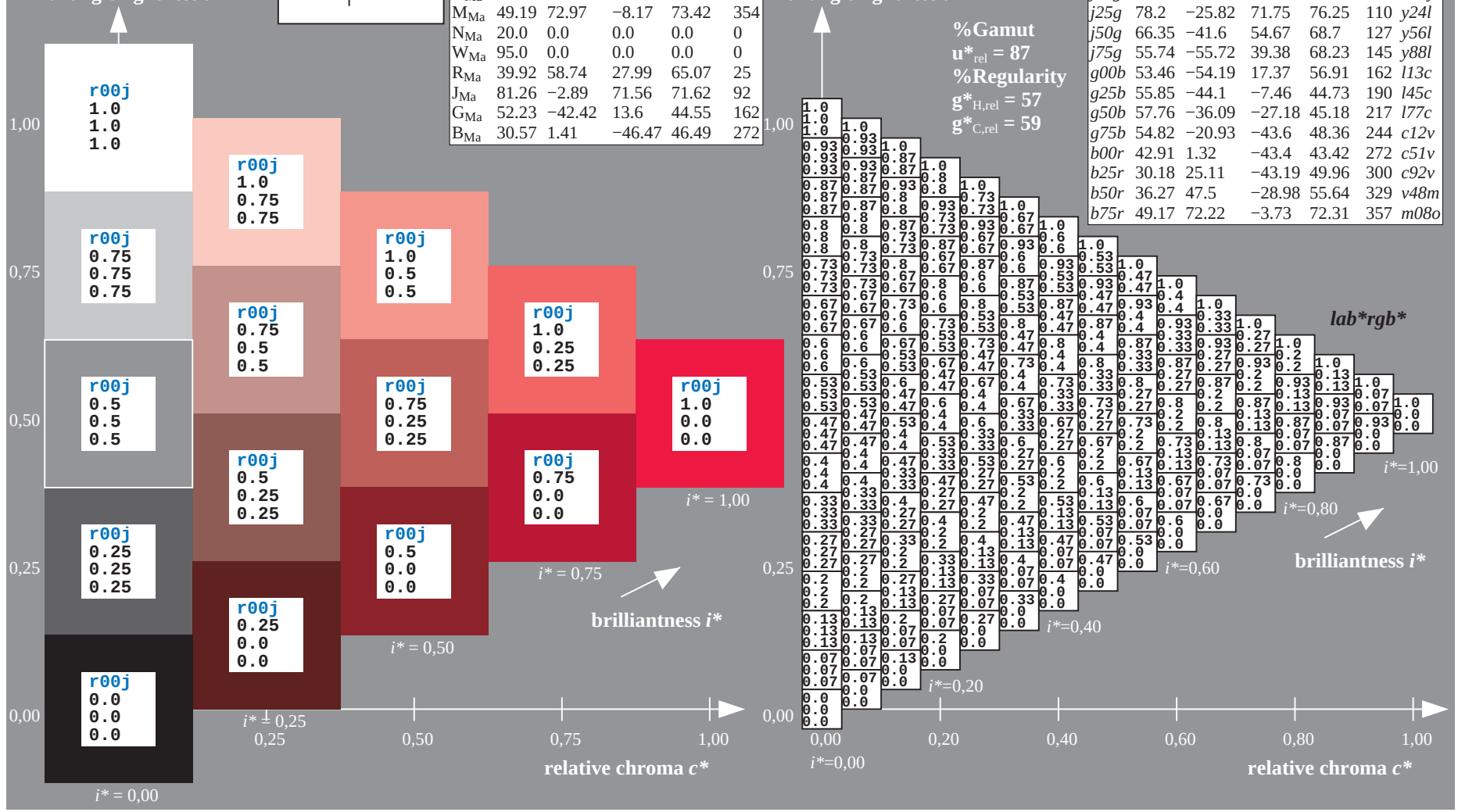
triangle lightness *t**

u^*_e = *r00j*

*lab*rgb**

ORS18_95aM; adapted (a) CIELAB data

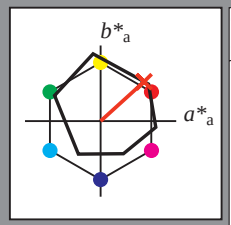
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

$u^*_e = r25j$
lab^*rgb^*

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = r25j$ $u^*_d = o08y$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

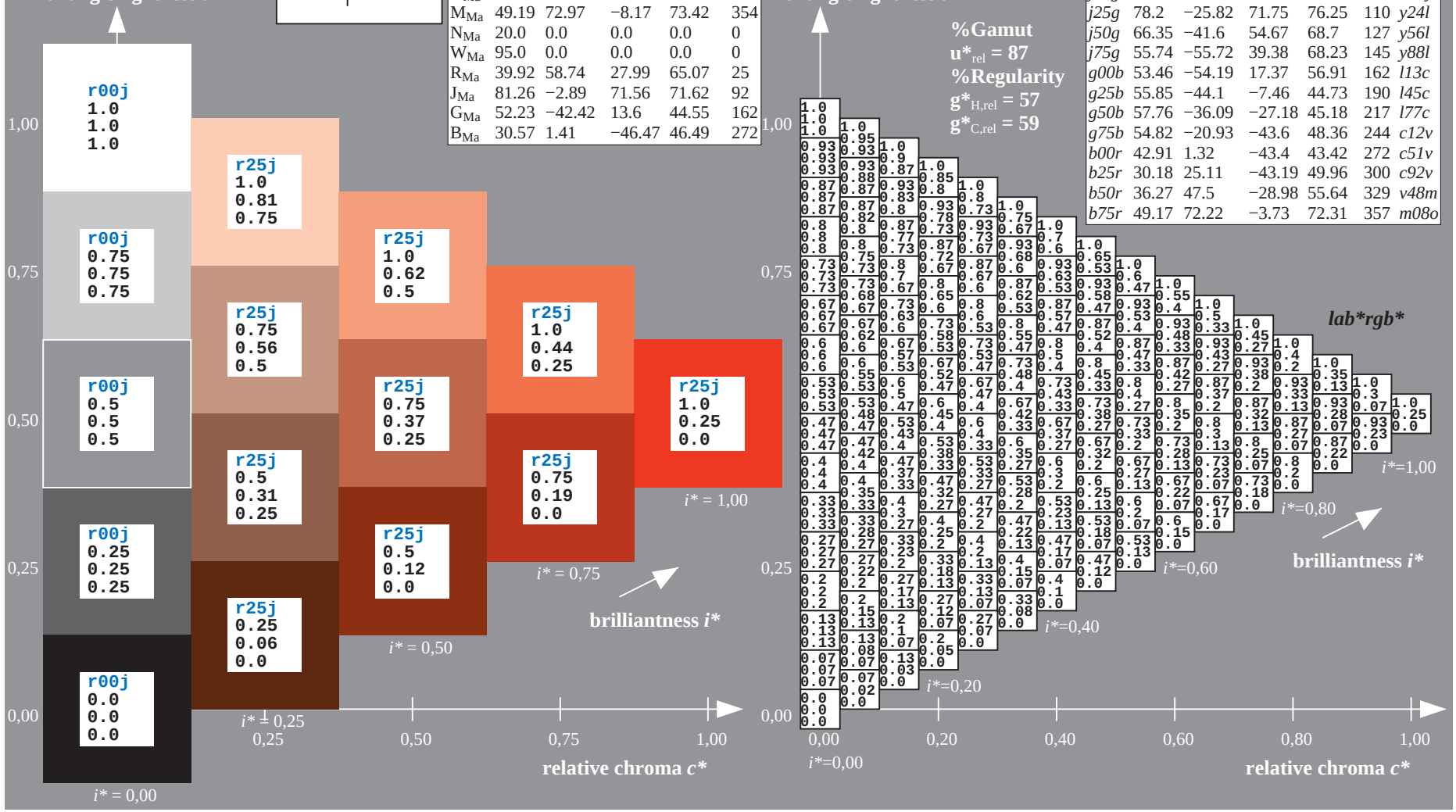
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 52 57 52**
***LAB*LCH**$_{Ma}$: 52 78 42**
***lab*rgb**$_{Ma}$: 1.0 0.25 0.0**
***lab*olv**$_{Ma}$: 1.0 0.08 0.0**
triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 57$

ORS18_95aM; adapted (a) CIELAB data

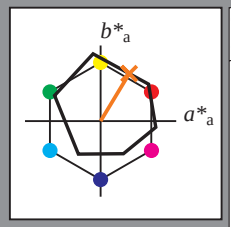
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

$u^*_e = r50j$
lab^*rgb^*

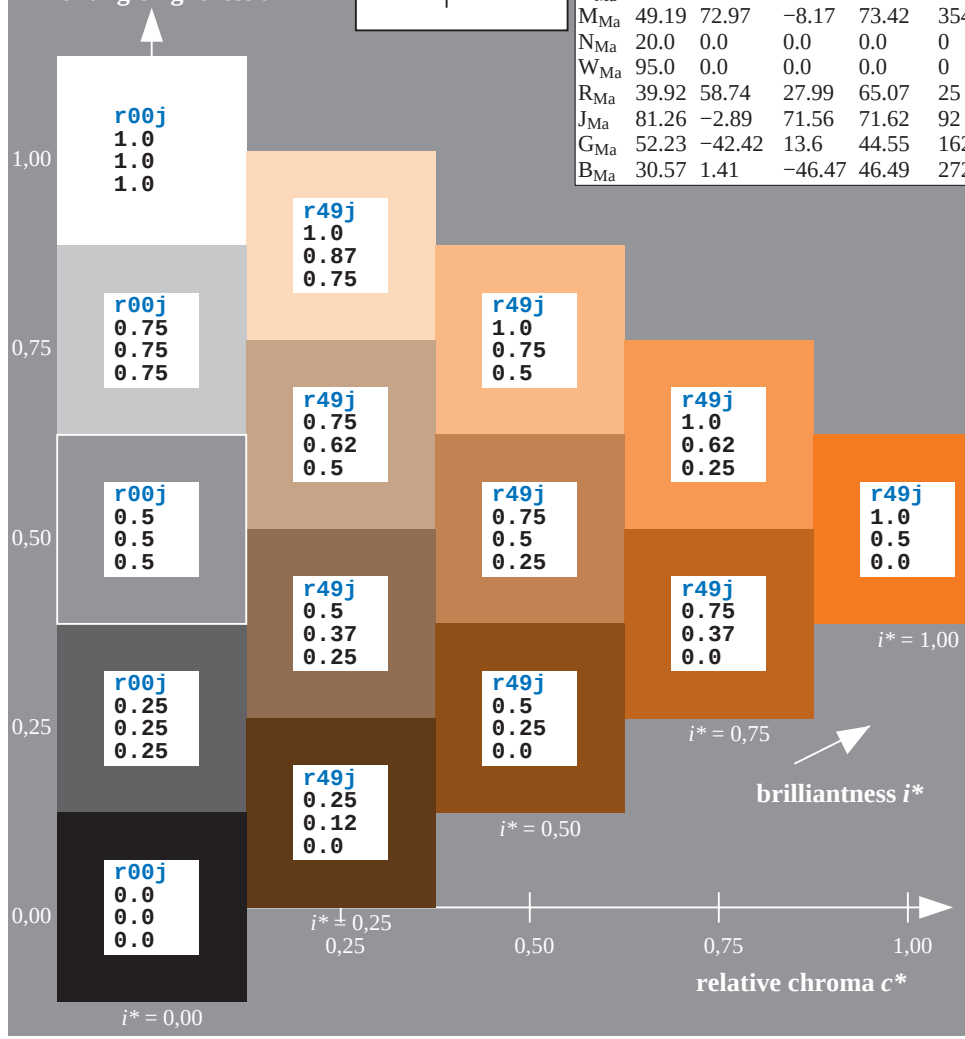
data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = r50j$ $u^*_d = o36y$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**

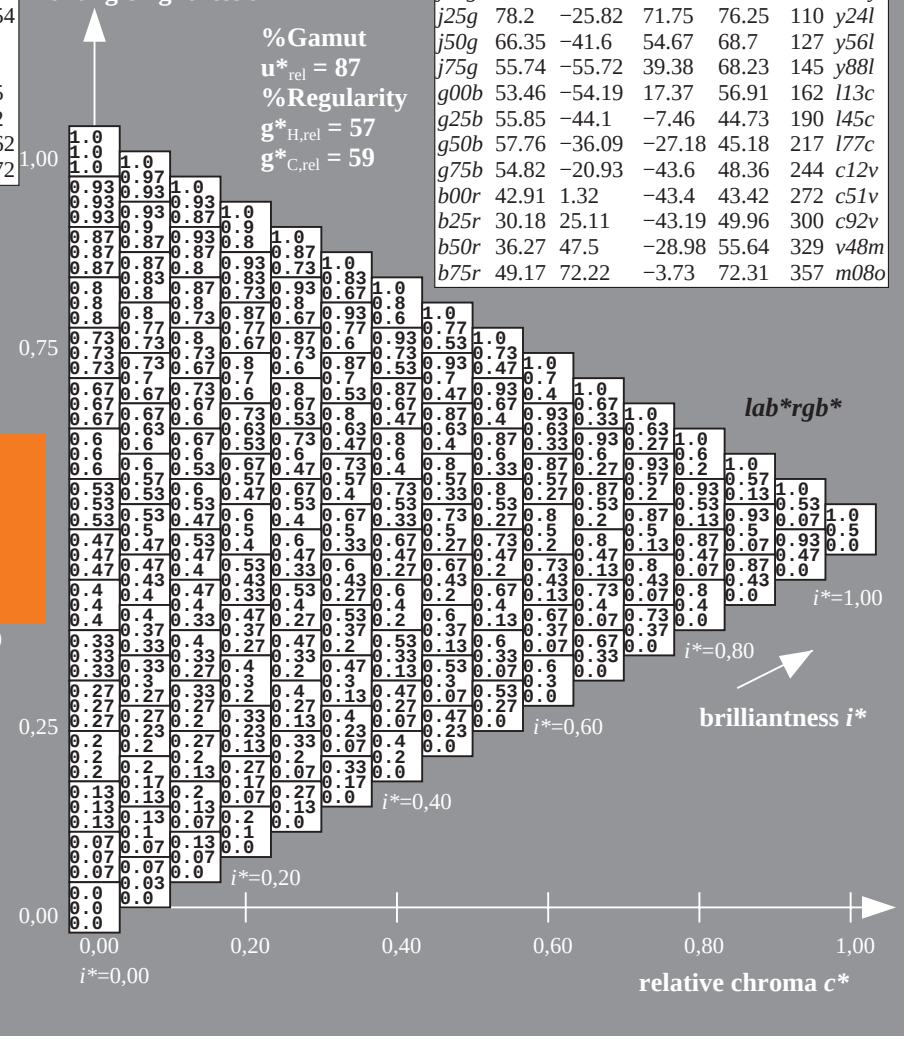


ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 63 38 63**
***LAB*LCH**$_{Ma}$: 63 73 58**
***lab*rgb**$_{Ma}$: 1.0 0.5 0.0**
***lab*olv**$_{Ma}$: 1.0 0.36 0.0**
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*





Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

*lab*tch** and *lab*icu**

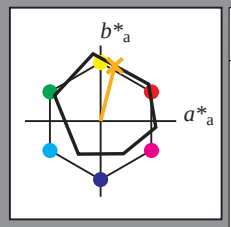
Hue texts:

u^*_e = *r75j* u^*_d = *o64y*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

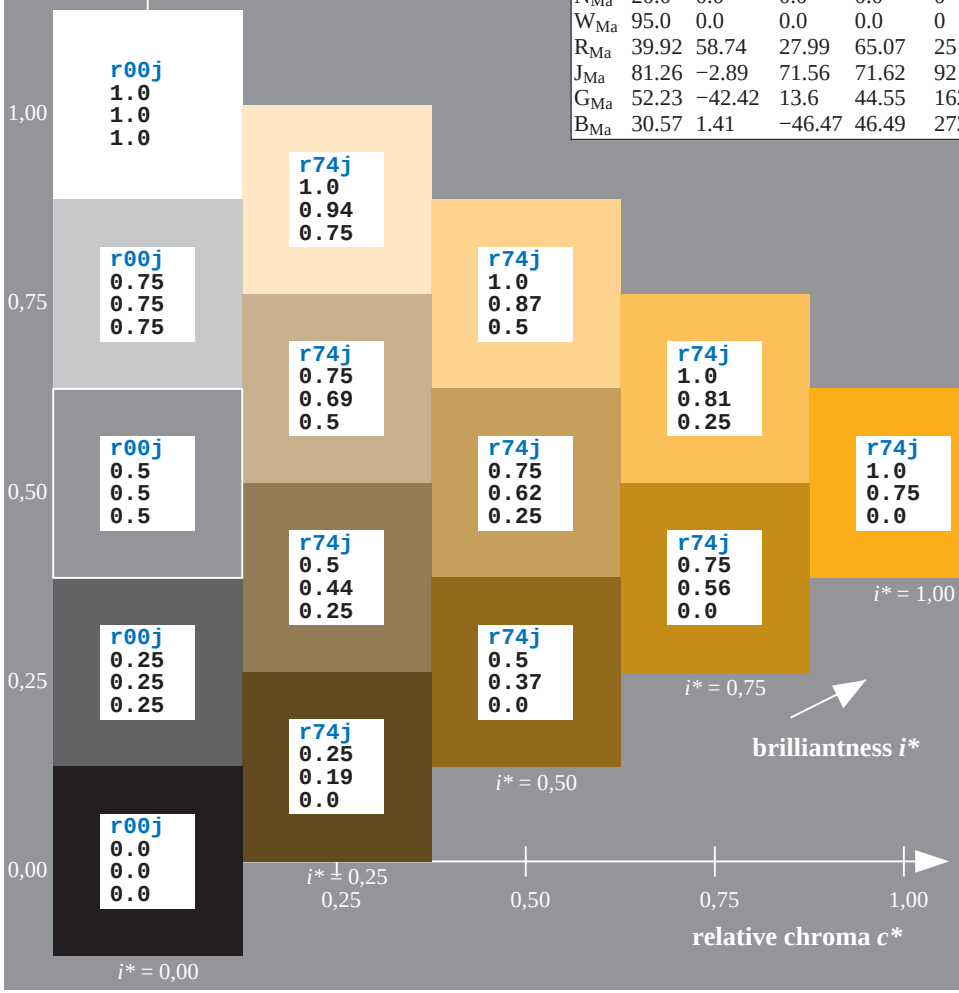
***LAB*LAB**$_{Ma}$: 74 19 73**

***LAB*LCH**$_{Ma}$: 74 76 75**

***lab*rgb**$_{Ma}$: 1.0 0.75 0.0**

***lab*olv**$_{Ma}$: 1.0 0.65 0.0**

triangle lightness *t**



%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 57

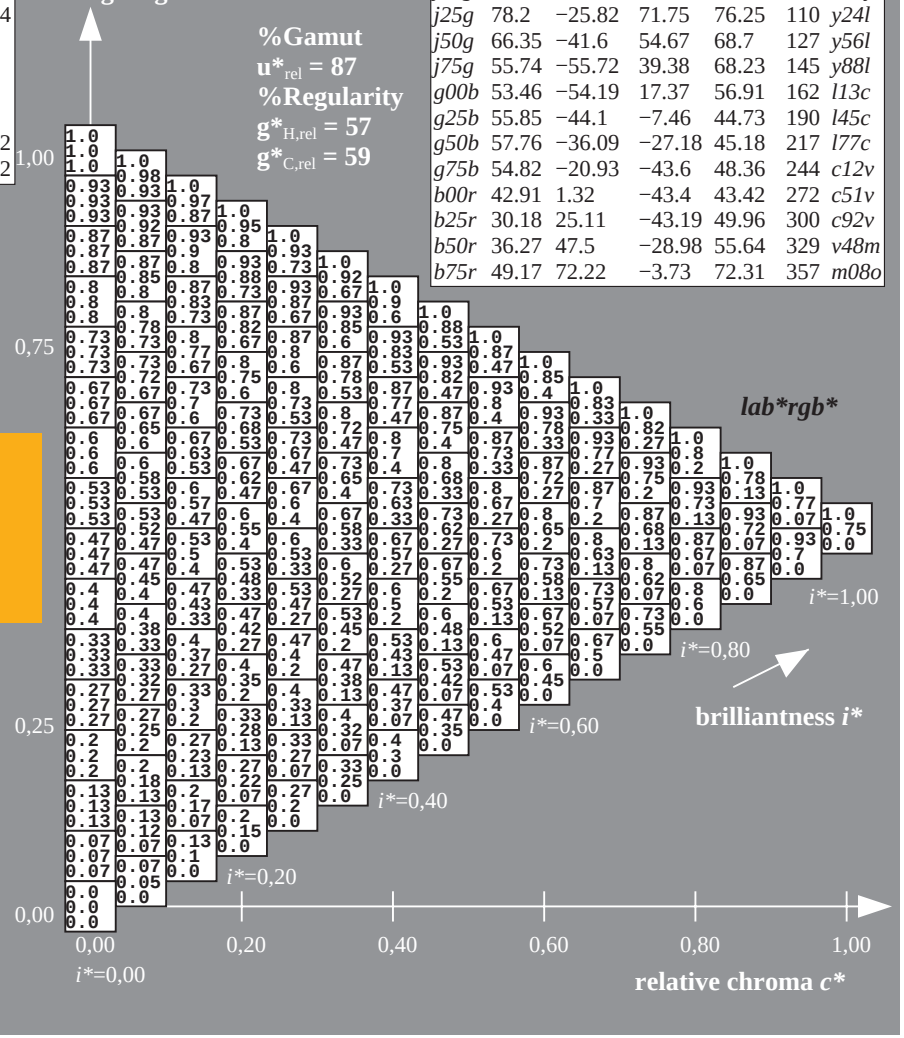
$g^*_{C,rel}$ = 59

u^*_e = *r75j*

lab*rgb*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

*lab*tch** and *lab*icu**

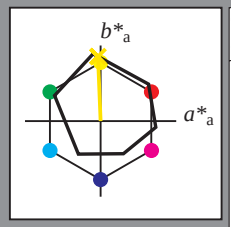
Hue texts:

u^*_e = *j00g* u^*_d = *o92y*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 86 −3 85

*LAB*LCH**$_{Ma}$: 86 85 92

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

*lab*olv**$_{Ma}$: 1.0 0.93 0.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

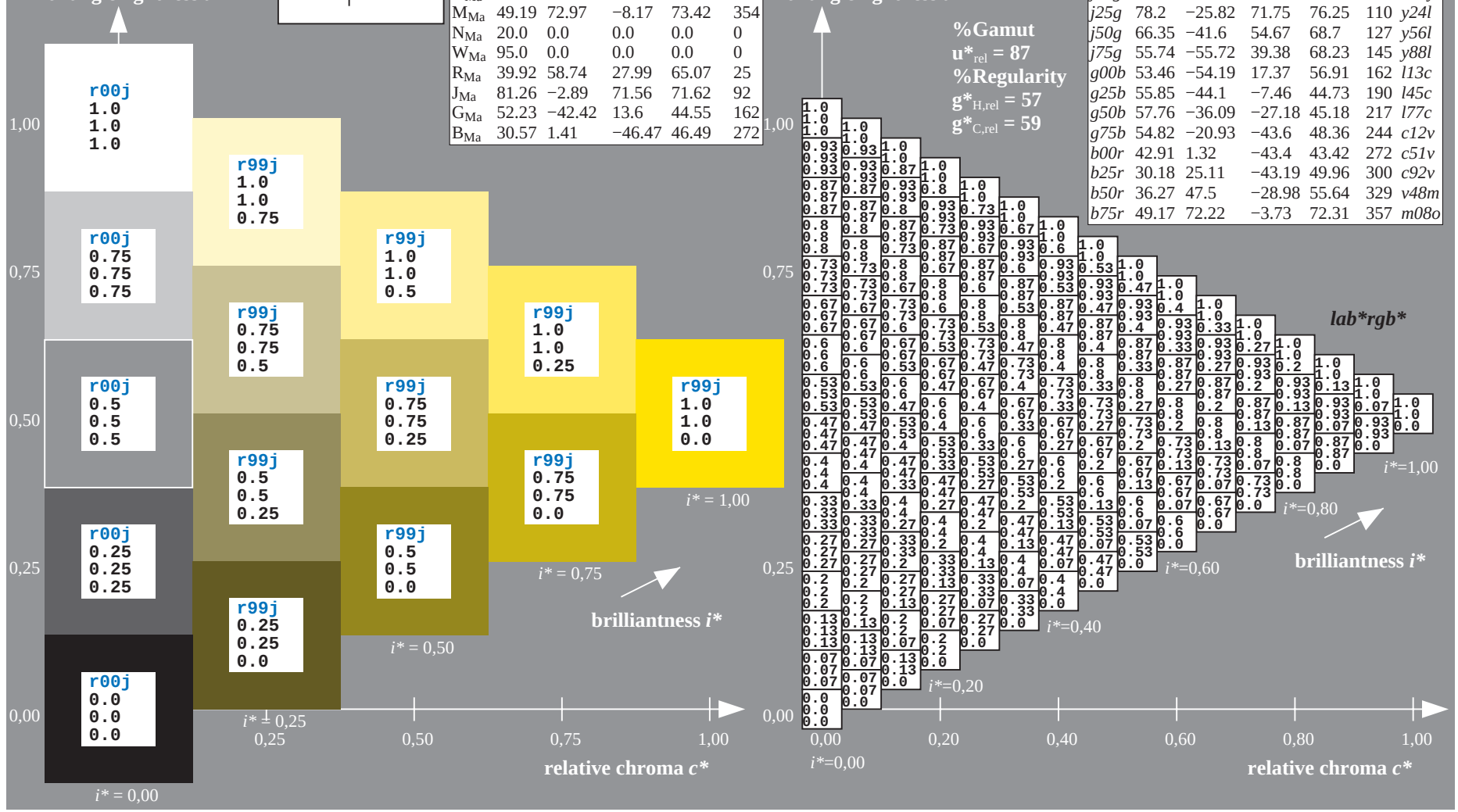
$g^*_{C,rel} = 59$

u^*_e = *j00g*

*lab*rgb**

ORS18_95aM; adapted (a) CIELAB data

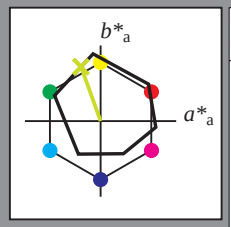
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

$u^*_e = j25g$
lab^*rgb^*

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = j25g$ $u^*_d = y24l$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

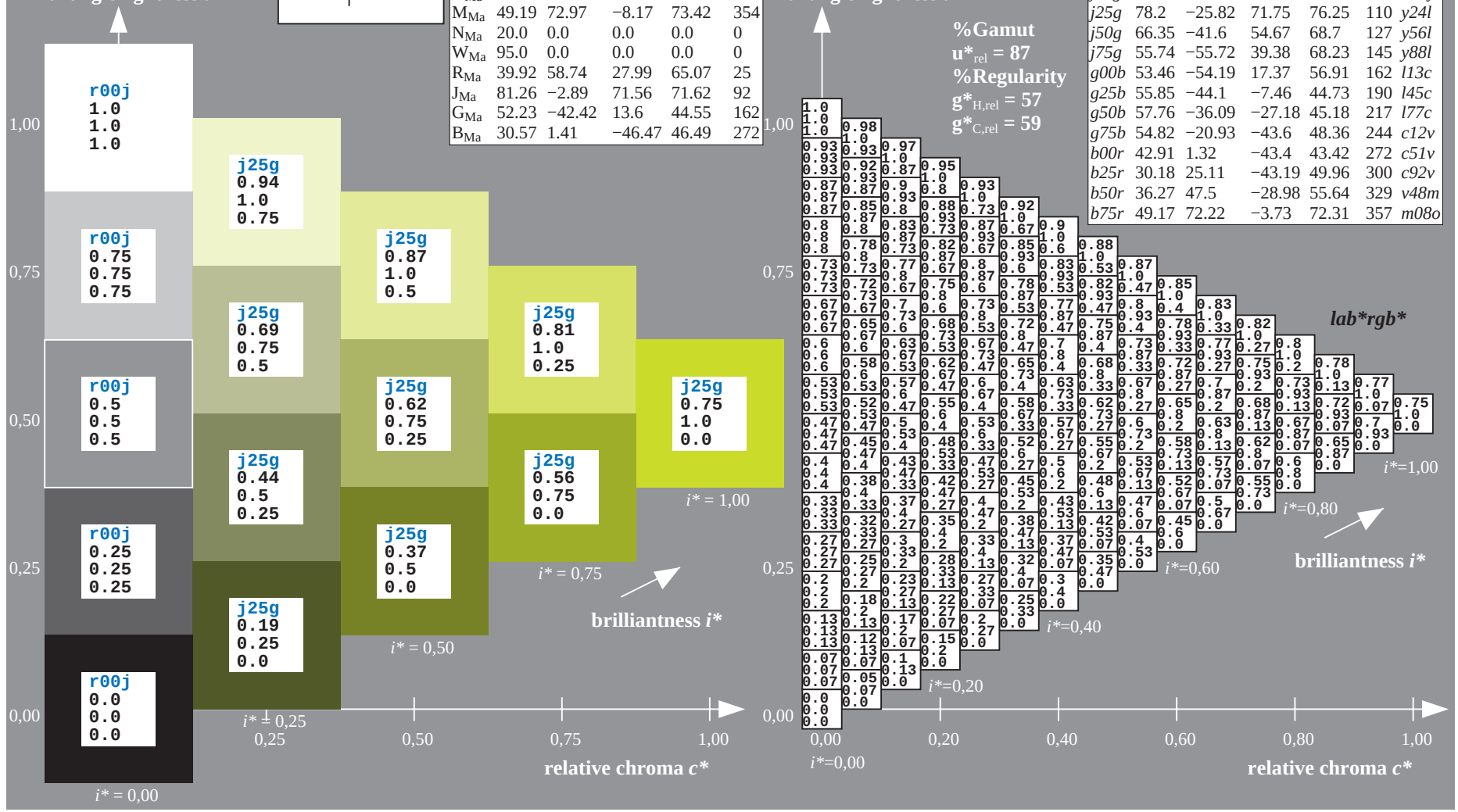
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 78 −26 72**
***LAB*LCH**$_{Ma}$: 78 76 109**
***lab*rgb**$_{Ma}$: 0.75 1.0 0.0**
***lab*olv**$_{Ma}$: 0.75 1.0 0.0**
triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 57$

ORS18_95aM; adapted (a) CIELAB data

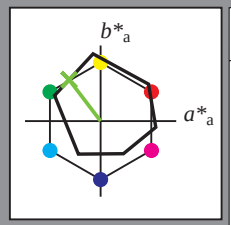
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

$u^*_e = j50g$
lab^*rgb^*

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = j50g$ $u^*_d = y56l$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

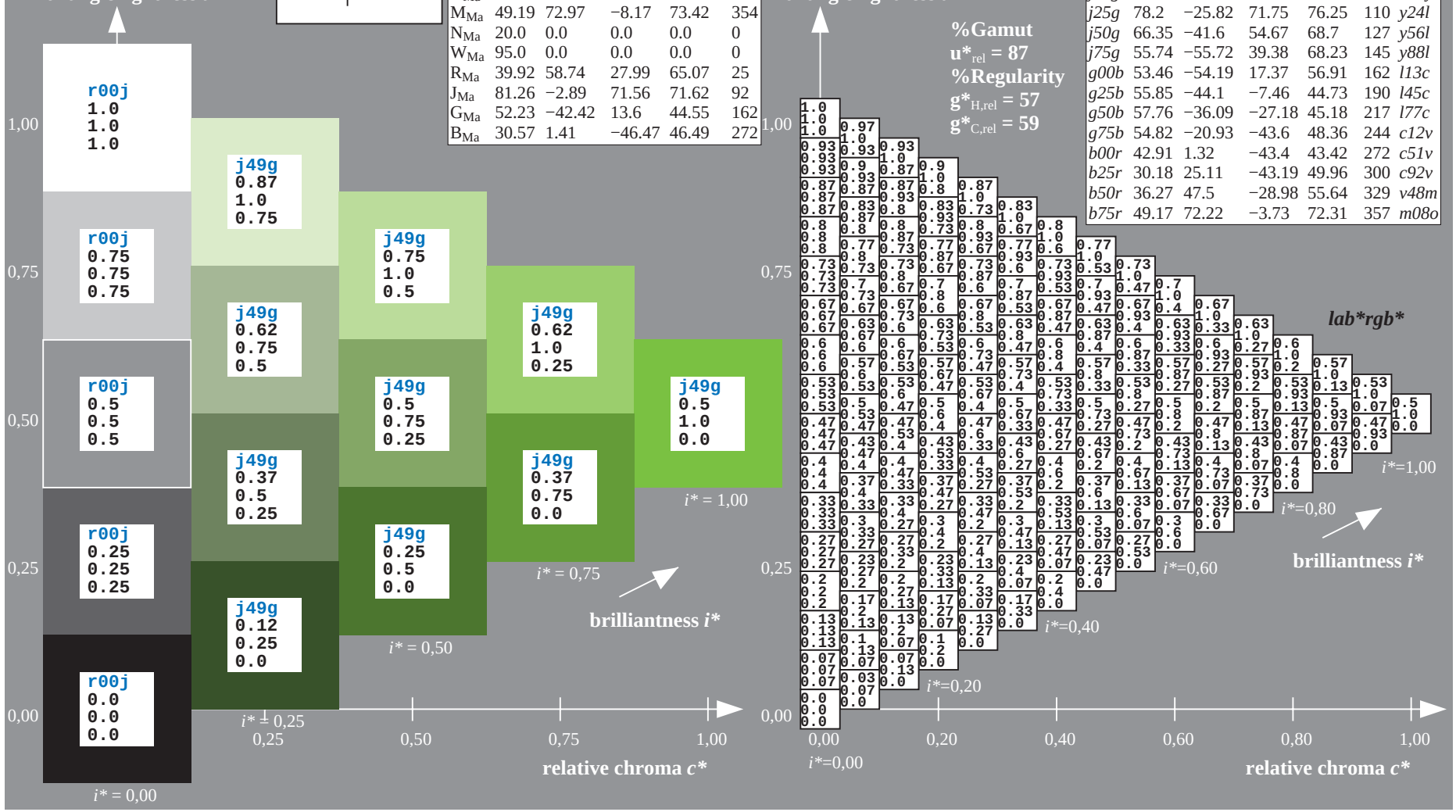
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 66 −42 55**
***LAB*LCH**$_{Ma}$: 66 69 127**
***lab*rgb**$_{Ma}$: 0.5 1.0 0.0**
***lab*olv**$_{Ma}$: 0.43 1.0 0.0**
triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

*lab*tch** **and** *lab*icu**

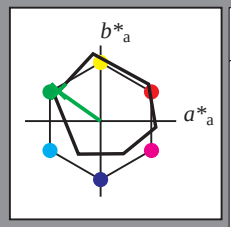
Hue texts:

$u^*_e = j75g$ $u^*_d = y88l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 −56 39

$LAB^*LCH^*_{Ma}$: 56 68 144

$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0

$lab^*olv^*_{Ma}$: 0.11 1.0 0.0

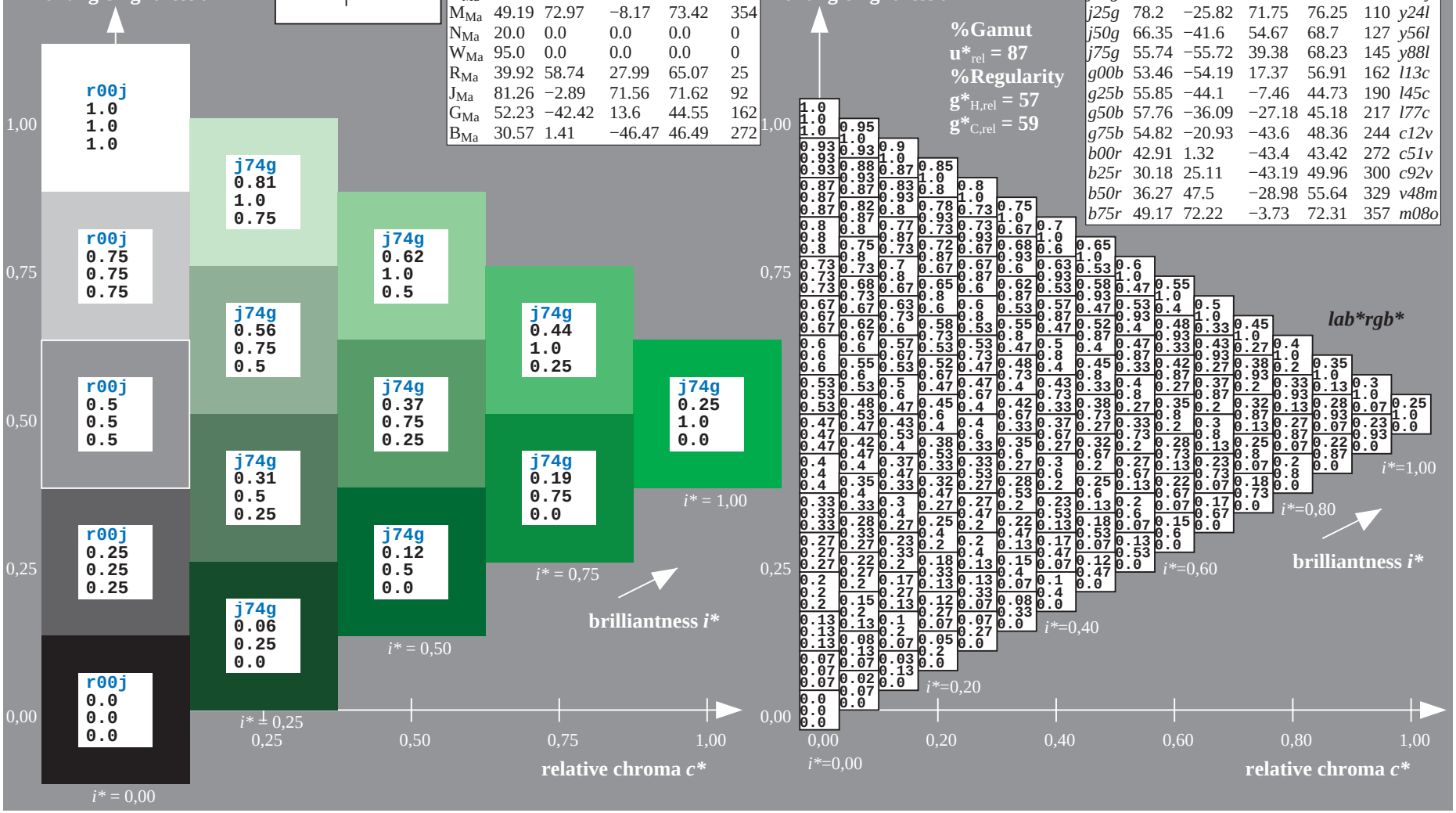
triangle lightness t^*

$u^*_e = j75g$

lab^*rgb^*

ORS18_95aM; adapted (a) CIELAB data

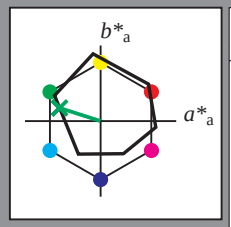
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

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

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = g00b$ $u^*_d = l13c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

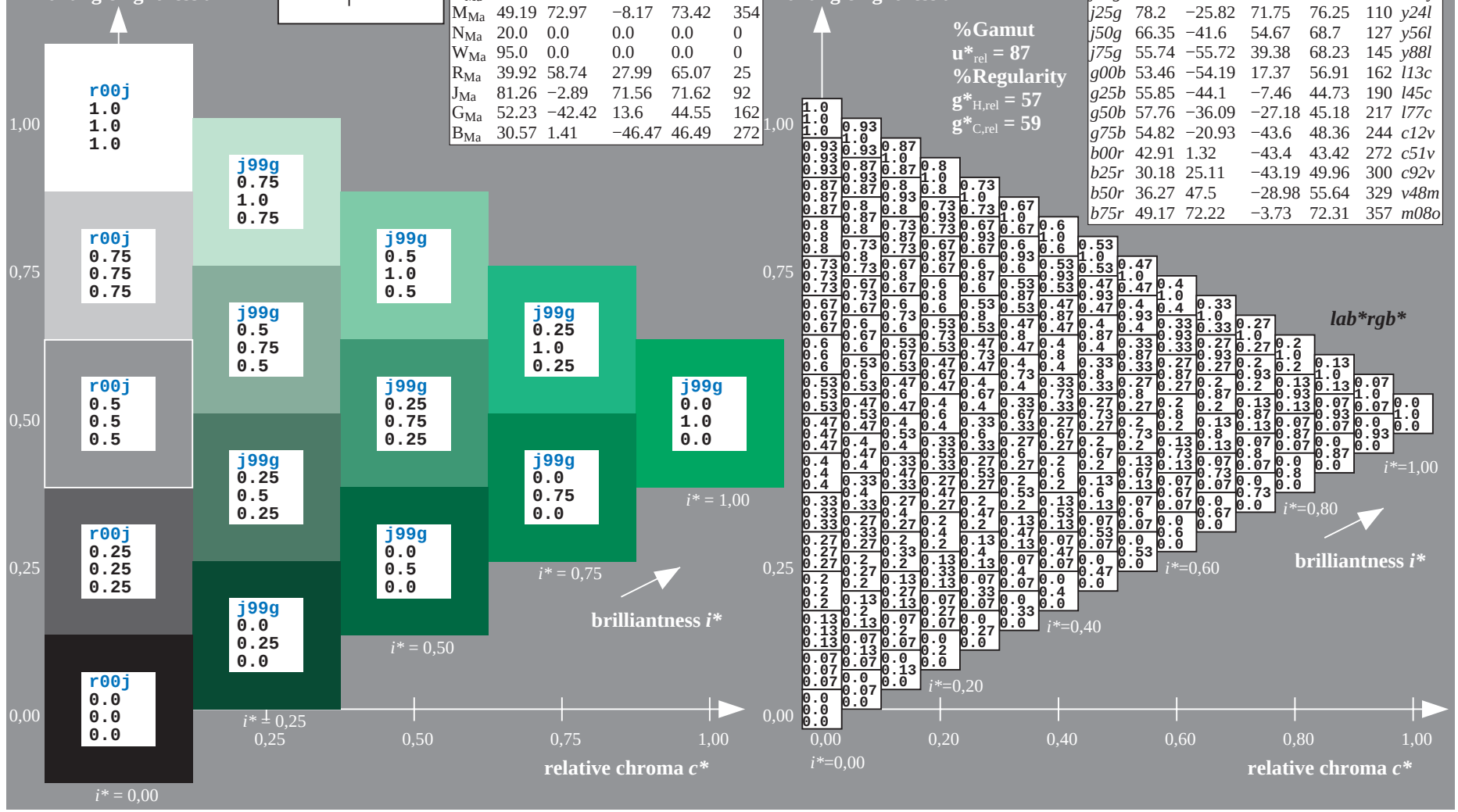
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 53 −54 17**
***LAB*LCH**$_{Ma}$: 53 57 162**
***lab*rgb**$_{Ma}$: 0.0 1.0 0.0**
***lab*olv**$_{Ma}$: 0.0 1.0 0.13**
triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

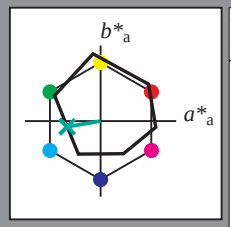
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

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

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = g25b$ $u^*_d = l45c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

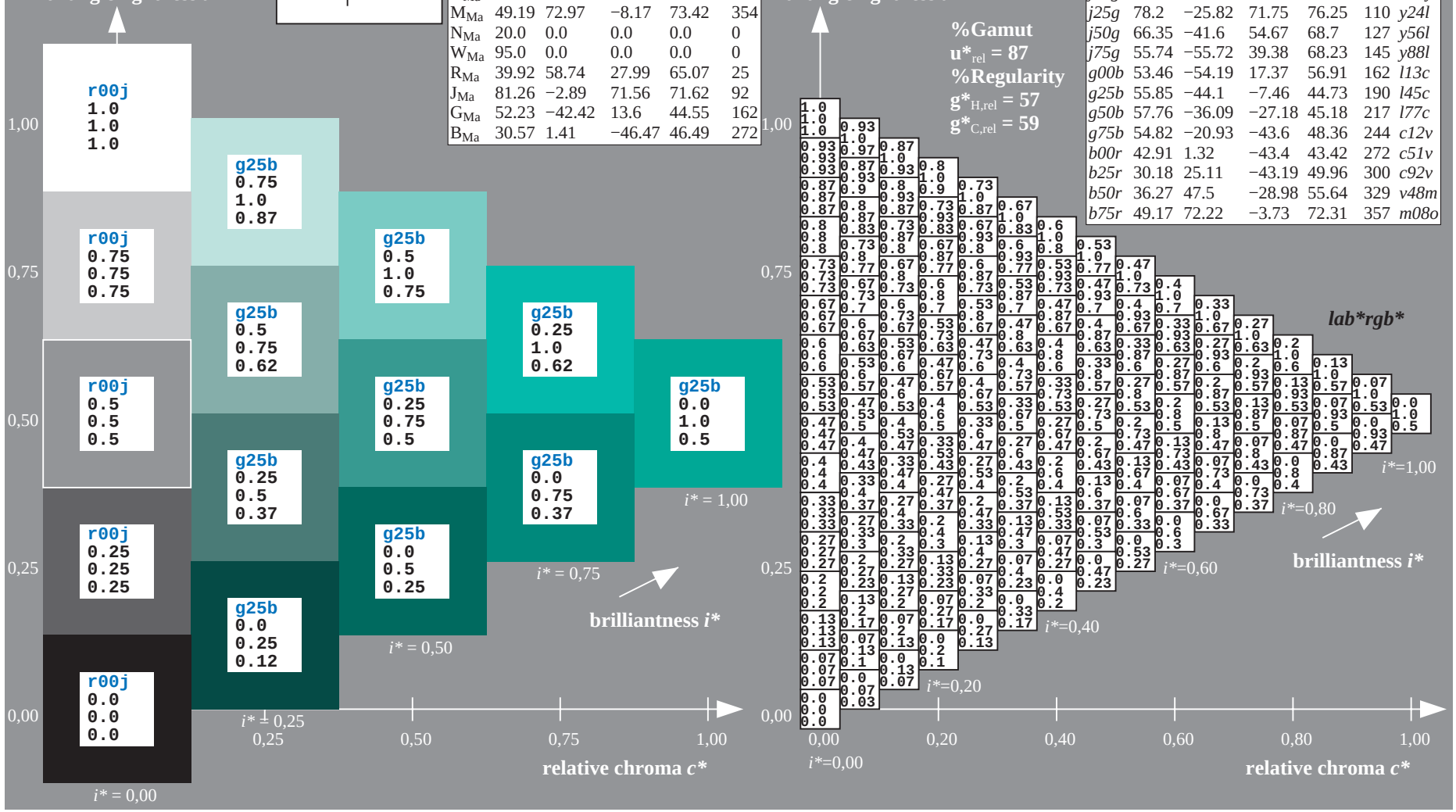
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 56 −44 −7**
***LAB*LCH**$_{Ma}$: 56 45 189**
***lab*rgb**$_{Ma}$: 0.0 1.0 0.5**
***lab*olv**$_{Ma}$: 0.0 1.0 0.45**
triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

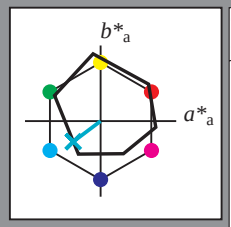
$u^*_e = g50b$
lab*rgb*

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

Hue texts:
$u^*_e = g50b$ $u^*_d = l77c$

contrast reduction factor:
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 58 −36 −27**

LAB*LCH*$_{Ma}$**: 58 45 216**

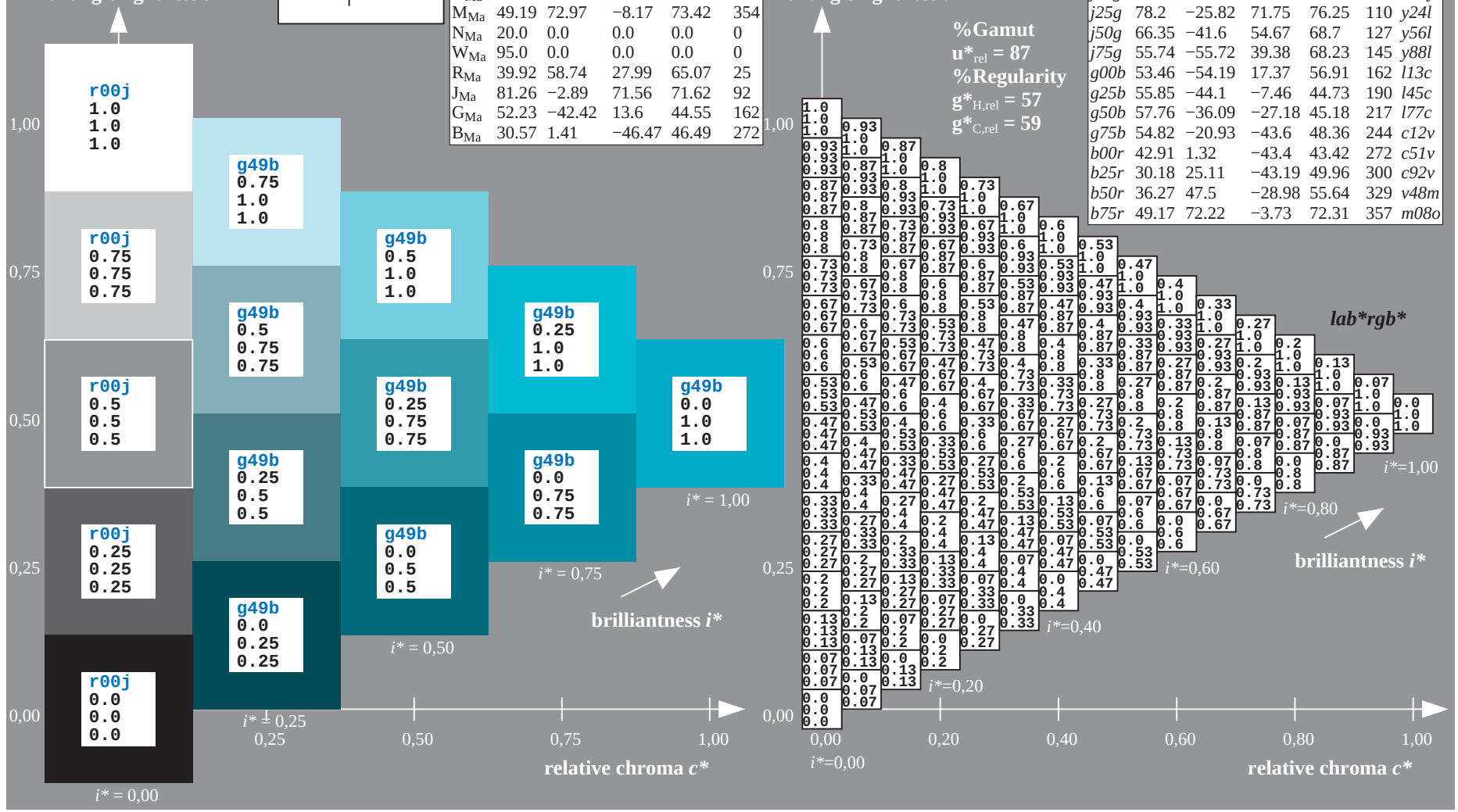
lab*rgb*$_{Ma}$**: 0.0 1.0 1.0**

lab*olv*$_{Ma}$**: 0.0 1.0 0.78**

triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

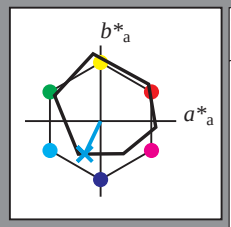
Hue texts:

u^*_e = *g75b* u^*_d = *c12v*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 −21 −44

$LAB^*LCH^*_{Ma}$: 55 48 244

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

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

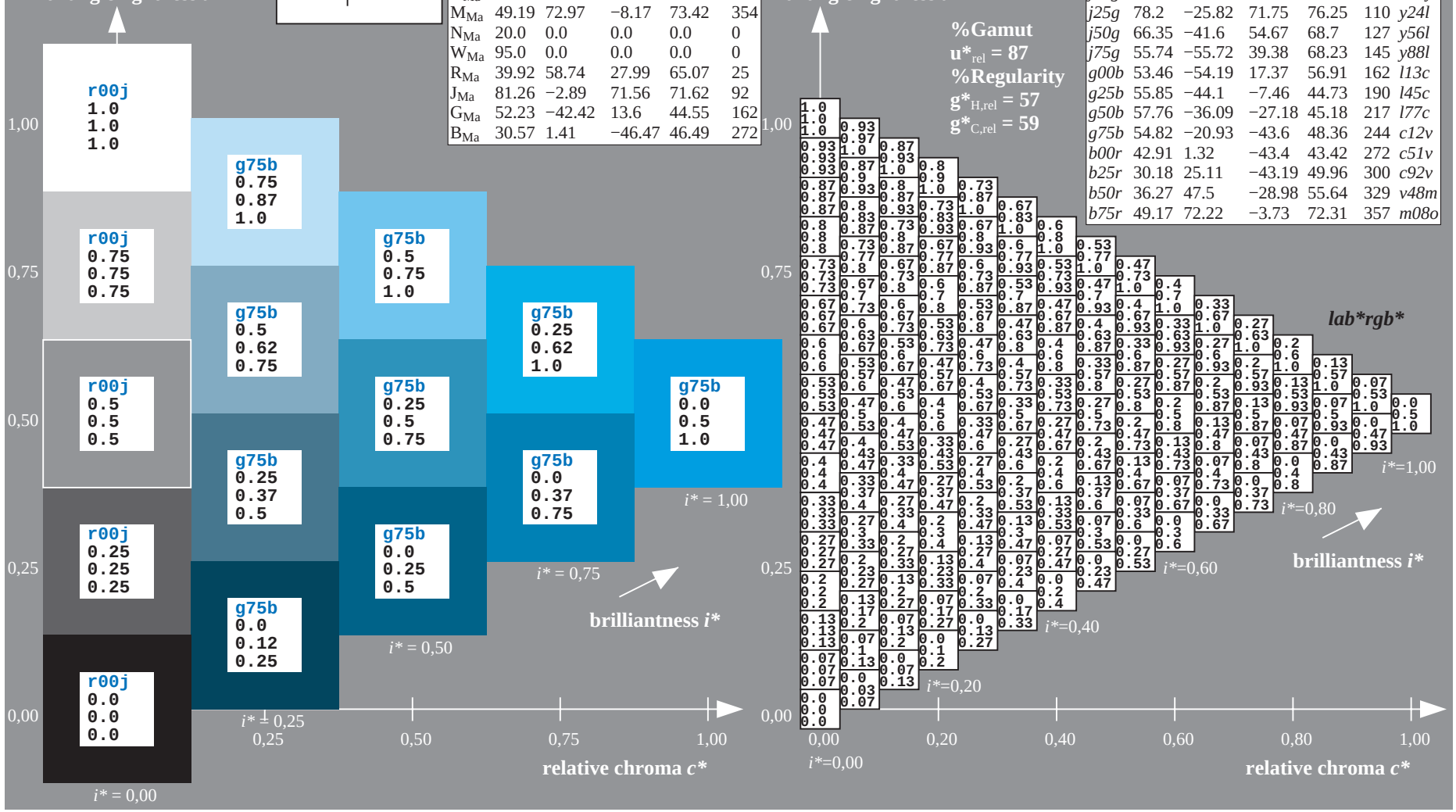
triangle lightness *t**

u^*_e = *g75b*

*lab*rgb**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

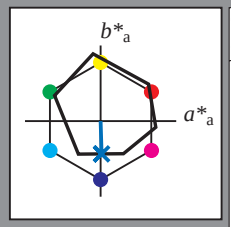
Hue texts:

u^*_e = *b00r* u^*_d = *c51v*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 43 1 −43

*LAB*LCH**$_{Ma}$: 43 43 271

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

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

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

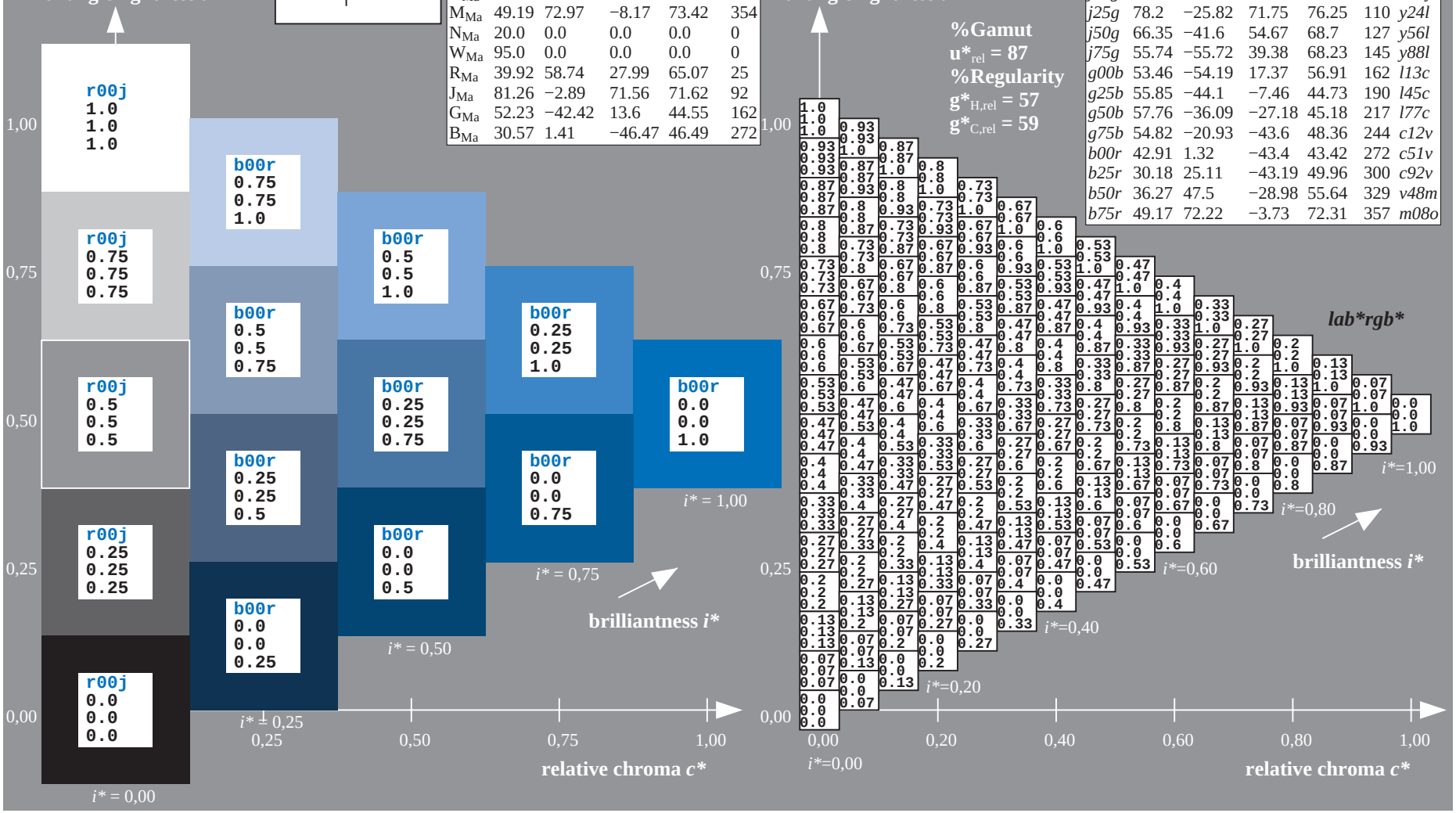
$g^*_{C,rel} = 59$

u^*_e = *b00r*

*lab*rgb**

ORS18_95aM; adapted (a) CIELAB data

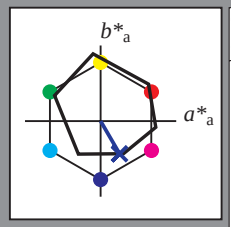
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

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

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = b25r$ $u^*_d = c92v$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

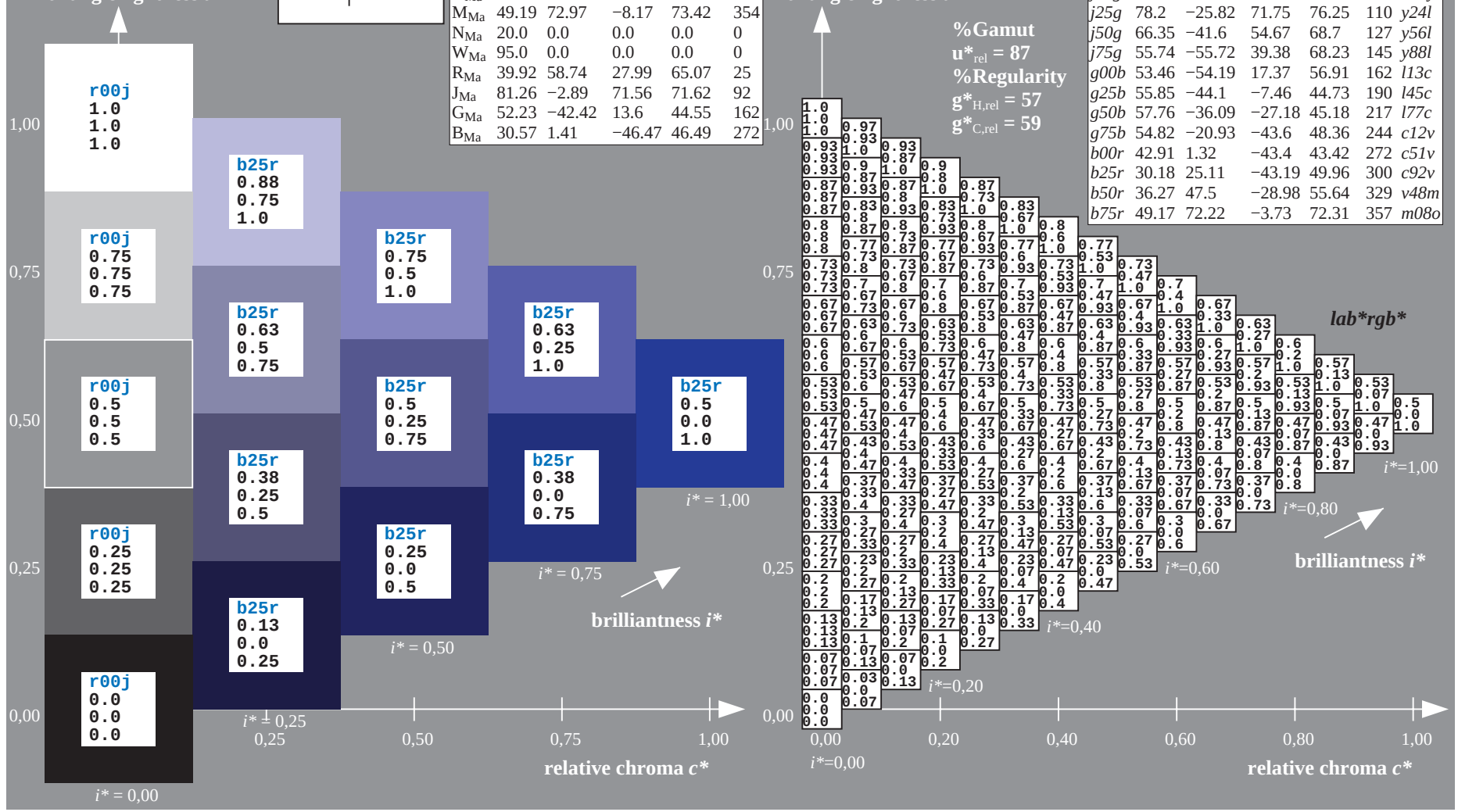
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 30 25 −43**
***LAB*LCH**$_{Ma}$: 30 50 300**
lab*rgb$_{Ma}$: 0.5 0.0 1.0**
lab*olv$_{Ma}$: 0.0 0.07 1.0**
triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

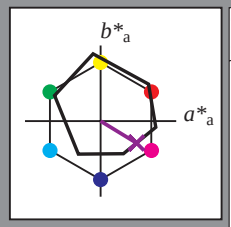
$u^*_e = b50r$
lab*rgb*

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

Hue texts:
$u^*_e = b50r$ $u^*_d = v48m$

contrast reduction factor:
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 36 47 −29**

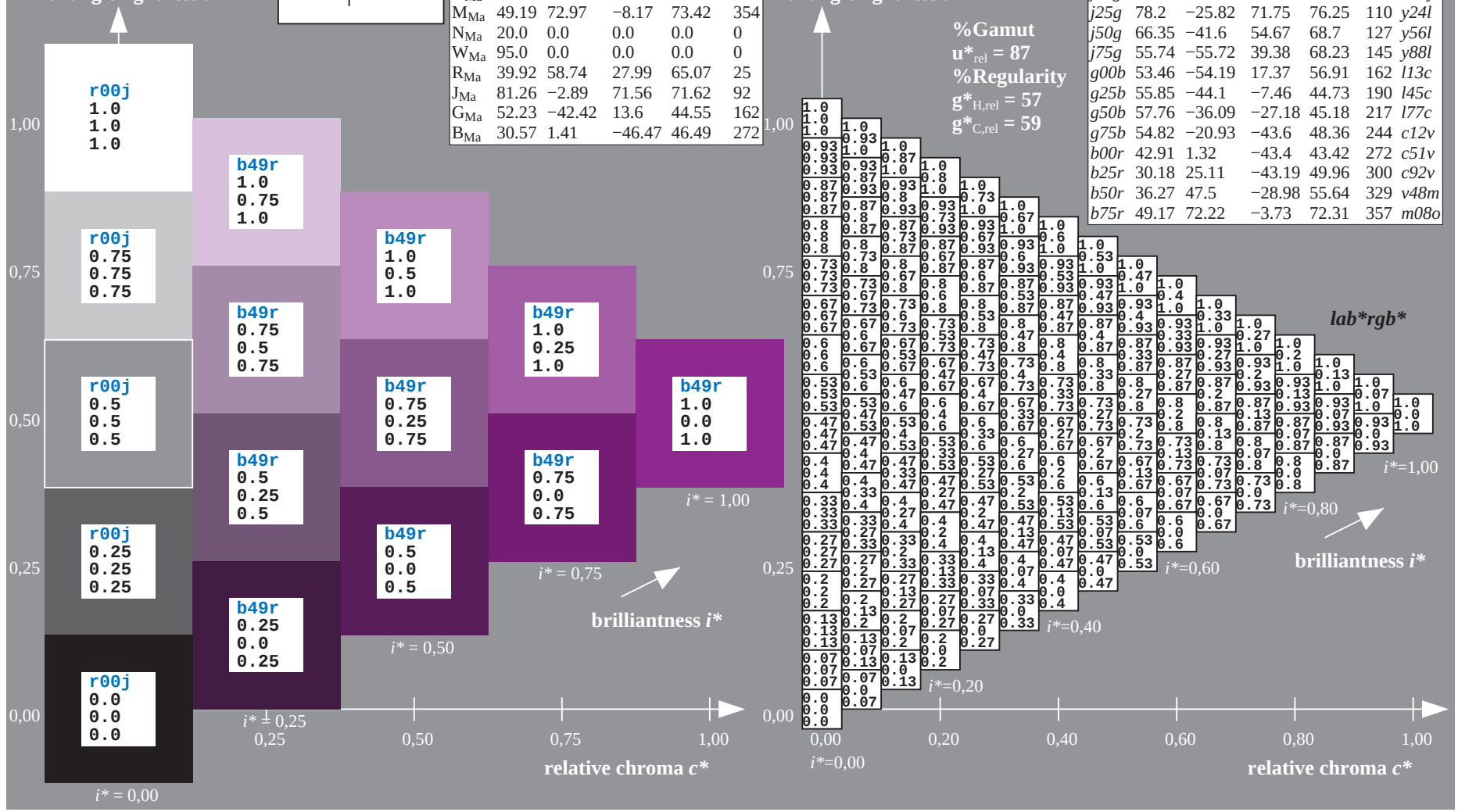
LAB*LCH*$_{Ma}$**: 36 56 328**

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

lab*olv*$_{Ma}$**: 0.49 0.0 1.0**

ORS18_95aM; adapted (a) CIELAB data

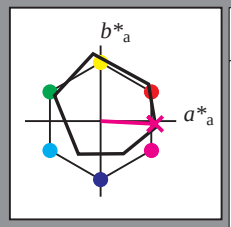
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

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

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_e = b75r$ $u^*_d = m08o$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

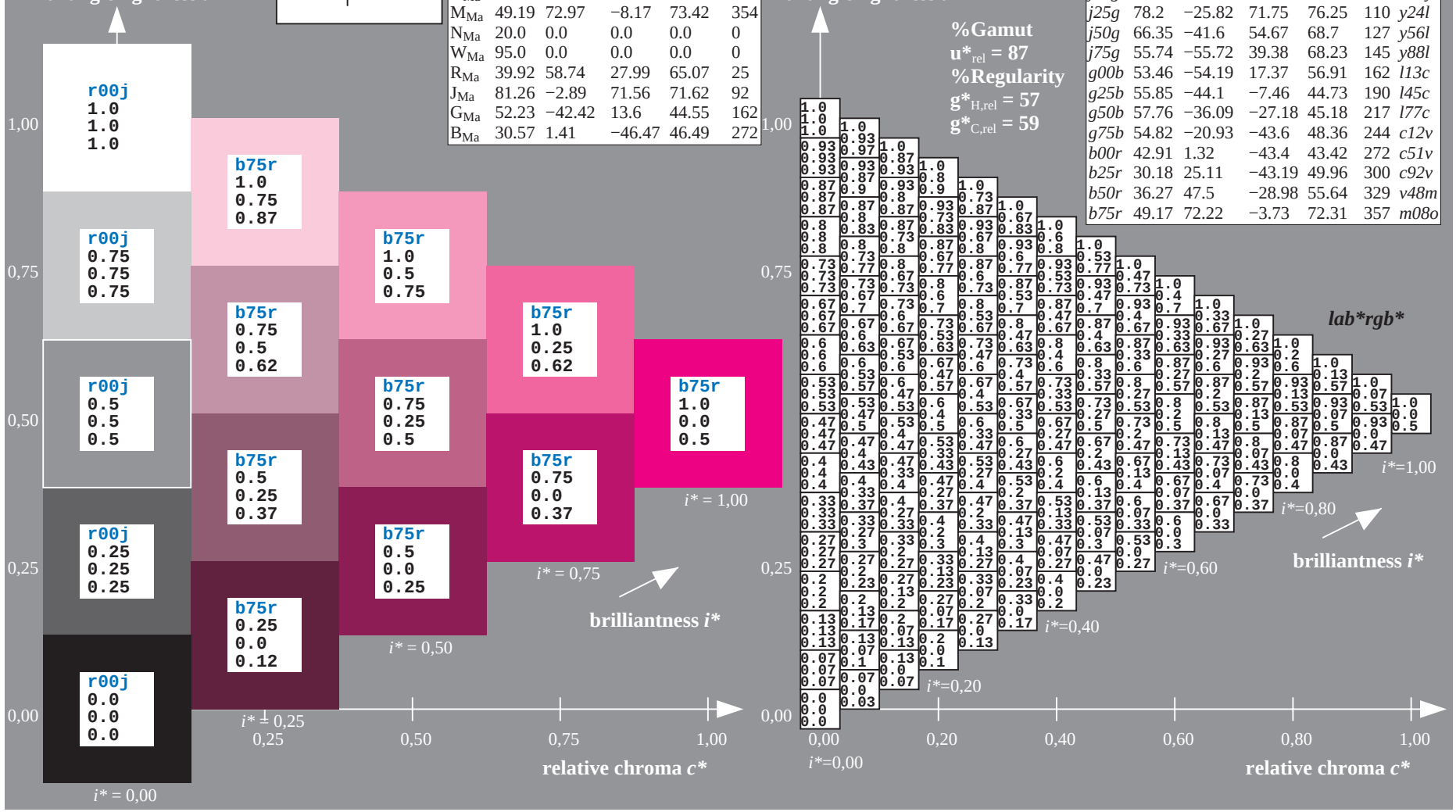
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 72 −4**
LAB*LCH*$_{Ma}$**: 49 72 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.92**
triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

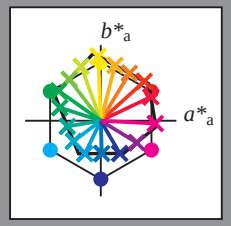


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	*lab*rgb**			
01	0.0	0.02	0.04	0.06	0.08	0.1	0.12	0.14	0.16	0.13	0.12	0.14	0.16	0.18	0.2	0.22	0.24	0.26	0.25	0.25	0.24	0.26	0.28	0.3	0.32	0.34	0.36	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.02	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.05	0.16	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.9	0.8	0.69	0.59	0.49	0.39	0.28	0.18	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
02	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.13	0.13	0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.25	0.25	0.24	0.26	0.28	0.3	0.32	0.34	0.36	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	0.0	0.08	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.15	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.96	0.88	0.77	0.67	0.57	0.47	0.36	0.26	0.16	0.13	0.13	0.13	0.13
	0.13	0.13	0.14	0.12	0.09	0.07	0.04	0.01	0.0	0.07	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.04	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
03	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.25	0.2	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.27	0.29	0.31	0.33	0.35	0.37	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.0	0.01	0.16	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.21	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.91	0.83	0.75	0.65	0.55	0.44	0.34	0.24	0.14	0.25	0.25	0.25	0.25
	0.25	0.25	0.31	0.29	0.26	0.23	0.21	0.18	0.25	0.25	0.25	0.25	0.27	0.24	0.22	0.19	0.16	0.14	0.14	0.2	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25
04	0.22	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.33	0.27	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.38	0.38	0.32	0.25	0.25	0.25	0.25	0.25	0.25	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38
	0.0	0.0	0.09	0.24	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.13	0.29	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.33	0.5	0.63	0.75	0.88	1.0	0.87	0.79	0.71	0.63	0.52	0.42	0.32	0.22	0.11	0.38	0.38	0.38	0.38
	0.38	0.38	0.38	0.48	0.45	0.43	0.4	0.38	0.38	0.38	0.38	0.38	0.38	0.44	0.41	0.38	0.36	0.33	0.32	0.37	0.38	0.38	0.39	0.37	0.34	0.32	0.29	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38
05	0.29	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.34	0.19	0.13	0.13	0.13	0.13	0.13	0.13	0.5	0.45	0.4	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	0.0	0.01	0.17	0.33	0.6	0.75	0.88	1.0	0.0	0.0	0.13	0.13	0.21	0.37	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.26	0.41	0.63	0.75	0.88	1.0	0.83	0.74	0.66	0.58	0.5	0.4	0.3	0.19	0.09	0.5	0.5	0.5	0.5
	0.5	0.5	0.5	0.5	0.5	0.63	0.62	0.6	0.57	0.5	0.5	0.5	0.5	0.5	0.6	0.58	0.55	0.53	0.49	0.5	0.5	0.5	0.5	0.56	0.54	0.51	0.48	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5
06	0.37	0.21	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.42	0.27	0.13	0.13	0.13	0.13	0.13	0.13	0.58	0.52	0.47	0.32	0.25	0.25	0.25	0.25	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	0.0	0.0	0.0	0.09	0.25	0.41	0.68	0.88	1.0	0.0	0.13	0.13	0.14	0.29	0.45	0.73	0.88	1.0	0.0	0.13	0.25	0.25	0.34	0.49	0.75	0.88	1.0	0.78	0.7	0.62	0.54	0.46	0.38	0.27	0.17	0.07	0.63	0.63	0.63	0.63
	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.79	0.77	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.75	0.72	0.63	0.63	0.63	0.63	0.63	0.63	0.73	0.7	0.68	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63
07	0.44	0.29	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.55	0.49	0.34	0.19	0.13	0.13	0.13	0.13	0.13	0.65	0.6	0.54	0.39	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75
	0.0	0.0	0.02	0.17	0.33	0.49	0.76	1.0	0.0	0.0	0.13	0.13	0.13	0.22	0.37	0.53	0.81	1.0	0.0	0.13	0.25	0.25	0.26	0.42	0.58	0.85	1.0	0.74	0.66	0.58	0.49	0.41	0.33	0.25	0.15	0.05	0.75	0.75	0.75	0.75
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.96	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.92	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.87	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.75
08	0.51	0.36	0.21	0.06	0.0	0.0	0.0	0.0	0.0	0.62	0.56	0.41	0.26	0.13	0.13	0.13	0.13	0.13	0.72	0.67	0.62	0.46	0.31	0.25	0.25	0.25	0.25	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.88	0.88	0.88	0.88
	0.0	0.0	0.0	0.0	0.1	0.26	0.41	0.57	0.85	0.0	0.13	0.13	0.13	0.14	0.3	0.46	0.61	0.89	0.0	0.13	0.25	0.25	0.25	0.34	0.5	0.66	0.93	0.7	0.61	0.53	0.45	0.37	0.29	0.21	0.13	0.02	0.88	0.88	0.88	0.88
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	0.88
09	0.58	0.43	0.28	0.13	0.0	0.0	0.0	0.0	0.0	0.69	0.64	0.48	0.33	0.18	0.13	0.13	0.13	0.13	0.8	0.74	0.69	0.54	0.39	0.25	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
	0.0	0.0	0.0	0.0	0.02	0.18	0.34	0.49	0.65	0.0	0.13	0.13	0.13	0.13	0.22	0.38	0.54	0.7	0.0	0.13	0.25	0.25	0.25	0.27	0.42	0.58	0.74	0.65	0.57	0.49	0.41	0.33	0.24	0.16	0.08	0.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0
10	0.38	0.38	0.38	0.35	0.37	0.39	0.41	0.43	0.45	0.5	0.5	0.5	0.5	0.47	0.49	0.51	0.53	0.55	0.63	0.63	0.63	0.63	0.63	0.59	0.61	0.63	0.65	1.0	0.99	0.99	0.98	0.97	0.96	0.96	0.95	0.94	0.0	0.0	0.0	0.0
	0.07	0.18	0.29	0.38	0.5	0.63	0.75	0.88	1.0	0.09	0.2	0.31	0.42	0.5	0.63	0.75	0.88	1.0	0.11	0.22	0.33	0.44	0.55	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
11	0.38	0.38	0.38	0.36	0.38	0.4	0.42	0.44	0.46	0.5	0.5	0.5	0.5	0.48	0.5	0.52	0.54	0.56	0.63	0.63	0.63	0.63	0.63	0.6	0.62	0.64	0.66	0.95	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.82	0.07	0.07	0.07	0.07
	0.0	0.17	0.28	0.38	0.5	0.63	0.75	0.88	1.0	0.01	0.19	0.3	0.41	0.5	0.63	0.75	0.88	1.0	0.03	0.22	0.33	0.44	0.55	0.63	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07
	0.02	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.07	0.07	0.07	0.07
12	0.38	0.38	0.38	0.37	0.39	0.41	0.43	0.45	0.47	0.5	0.5	0.5	0.5	0.49	0.51	0.53	0.55	0.57	0.63	0.63	0.63	0.63	0.63	0.6	0.62	0.64	0.66	0.9	0.82	0.75	0.74	0.74	0.73	0.72	0.71	0.71	0.13	0.13	0.13	0.13
	0.0	0.13	0.27	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.3	0.41	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.32	0.43	0.54	0.63	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.11	0.17	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.09	0.14	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.06	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
13	0.38	0.38	0.38	0.38	0.4	0.42	0.44	0.46	0.48	0.5	0.5	0.5	0.5	0.49	0.51	0.53	0.55	0.57	0.63	0.63	0.63	0.63	0.63	0.61	0.63	0.65	0.67	0.84	0.77	0.7	0.63	0.62	0.61	0.6	0.6	0.59	0.2	0.2	0.2	0.2
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.4	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.42	0.53	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.2	0.2	0.2	0.2
	0.21	0.27	0.32	0.38	0.38	0.38	0.38	0.38	0.38	0.18	0.24	0.29	0.38	0.38	0.38	0.38	0.38	0.38	0.16	0.21	0.27	0.38	0.38	0.38	0.38	0.38	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.2	0.2	0.2	0.2
14	0.5	0.5	0.45	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.52	0.54	0.56	0.58	0.63	0.63	0.63	0.63	0.63	0.62	0.64	0.66	0.68	0.79	0.72	0.65	0.57	0.5	0.49	0.49	0.48	0.47	0.27	0.27	0.27	0.27
	0.0	0.13	0.25	0.38	0.46	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.52	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.39	0.44	0.5	0.5	0.5	0.52	0.49	0.47	0.44	0.28	0.34	0.39	0.45	0.5	0.5	0.5	0.5	0.5	0.25	0.31	0.36	0.42	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.27	0.27	0.27	0.27
15	0.63	0.63	0.58	0.52	0.38	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63	0.57	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.63	0.65	0.67	0.69	0.74	0.67	0.59	0.52	0.45	0.38	0.37	0.36	0.35	0.33	0.33	0.33	0.33
	0.0	0.13	0.25	0.38	0.38	0.54	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.58	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.33	0.33	0.33	0.33
	0.56	0.62	0.63	0.63	0.63	0.63	0.69	0.66	0.63	0.46	0.51	0.57	0.62	0.63	0.63	0.64	0.62	0.59	0.35	0.41	0.46	0.52	0.57	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.33	0.33	0.33	0.33
16	0.75	0.7	0.65	0.59	0.44	0.38	0.38	0.38	0.38	0.75	0.75	0.75	0.7	0.65	0.5	0.5	0.5	0.5	0.75	0.75	0.75	0.75	0.75	0.7	0.63	0.63	0.63	0.69	0.62	0.54	0.47	0.4	0.32	0.25	0.24	0.24	0.4	0.4	0.4	0.4
	0.0	0.13	0.25	0.38	0.38	0.46	0.62	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.51	0.66	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.71	0.88	1.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.74	0.75	0.75	0.75	0.75	0.75	0.75	0.85	0.83	0.63	0.69	0.74	0.75	0.75	0.75	0.75	0.81	0.79	0.53	0.58	0.64	0.69	0.75	0.75	0.75	0.77	0.74	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.4	0.4	0.4	0.4
17	0.83	0.78	0.72	0.67	0.52	0.38	0.38	0.38	0.38	0.88	0.88	0.83	0.77	0.72	0.57	0.5	0.5	0.5	0.88	0.88	0.88	0.88	0.83	0.77	0.63	0.63	0.63	0.64	0.56	0.49	0.42	0.34	0.27	0.2	0.13	0.12	0.47	0.47	0.47	0.47
	0.0	0.13	0.25	0.38	0.38	0.39	0.54	0.7	0.98	0.0	0.13	0.25	0.38	0.5	0.5	0.59	0.74	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.63	0.79	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.47	0.47	0.47	0.47
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.81	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.98	0.7	0.76	0.81	0.87	0.88	0.88	0.88	0.88	0.94	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.47	0.47	0.47	0.47
18	0.9	0.85	0.8	0.74	0.59	0.44	0.38	0.38	0.38	1.0	0.96	0.9	0.85	0.79	0.64	0.5	0.5	0.5	1.0	1.0	1.0	0.95	0.9	0.84	0.69	0.63	0.63	0.58	0.51	0.44	0.37	0.29	0.22	0.15	0.07	0.0	0.53	0.53	0.53	0.53
	0.0	0.13	0.25	0.38	0.38	0.38	0.47	0.62	0.78	0.0	0.13	0.25	0.38	0.5	0.5	0.51	0.67	0.83	0.0	0.13	0.25	0.38	0.5	0.63	0.63	0.71	0.87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.53	0.53	0.53
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.99	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.94	0.99	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.53	0.53	0.53	0.53
19	0.75	0.75	0.75	0.75	0.75	0.75	0.71	0.73	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.82	0.84	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.94	1.0	0.9	0.79	0.69	0.58	0.48	0.37	0.27	0.16	0.6	0.6	0.6	0.6
	0.14	0.25	0.36	0.47	0.58	0.69	0.75	0.88	1.0	0.16	0.27	0.38	0.49	0.6	0.71	0.82	0.88	1.0	0.18	0.29	0.4	0.51	0.62	0.73	0.84	0.95	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.6	0.6	0.6
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.6	0.6	0.6	0.6
20	0.75	0.75	0.75	0.75	0.75	0.75	0.71	0.73	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.83	0.85	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.95	1.0	0.88	0.77	0.67	0.56	0.46	0.35	0.25	0.14	0.67	0.67	0.67	0.67
	0.05	0.24	0.35	0.46	0.57	0.68	0.75	0.88	1.0	0.08	0.26	0.37	0.48	0.59	0.7	0.81	0.88	1.0	0.1	0.28	0.39	0.5	0.61	0.72	0.83	0.94	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.67	0.67	0.67	0.67
	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.95	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.67	0.67	0.67	0.67
21	0.75	0.75	0.75	0.75	0.75	0.75	0.72	0.74	0.76	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.84	0.86	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.96	1.0	0.88	0.75	0.65	0.54	0.44	0.33	0.23	0.12	0.73	0.73	0.73	0.73
	0.0	0.16	0.34	0.45	0.56	0.67	0.75	0.88	1.0	0.0	0.18	0.36	0.47	0.58	0.69	0.8	0.88	1.0	0.02	0.2	0.39	0.5	0.61	0.72	0.83	0.94	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.73	0.73	0.73	0.73
	0.03	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.01	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.0	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.89	0.82	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.73	0.73	0.73	0.73
22	0.75	0.75	0.75	0.75	0.75	0.75	0.73	0.75	0.77	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.85	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.96	1.0	0.88	0.75	0.63	0.52	0.42	0.31	0.21	0.1	0.8	0.8	0.8	0.8
	0.0	0.13	0.26	0.44	0.55	0.66	0.75	0.88	1.0	0.0	0.13	0.28	0.47	0.58	0.69	0.8	0.88	1.0	0.0	0.13	0.3	0.49	0.6	0.71	0.82	0.93	1.0	0.63	0.63	0.63	0.63	0

Input and output:
Colorimetric Printer Reflective System ORS18_95aM
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.97

ORS18_95aM; adapted (a) CIELAB data

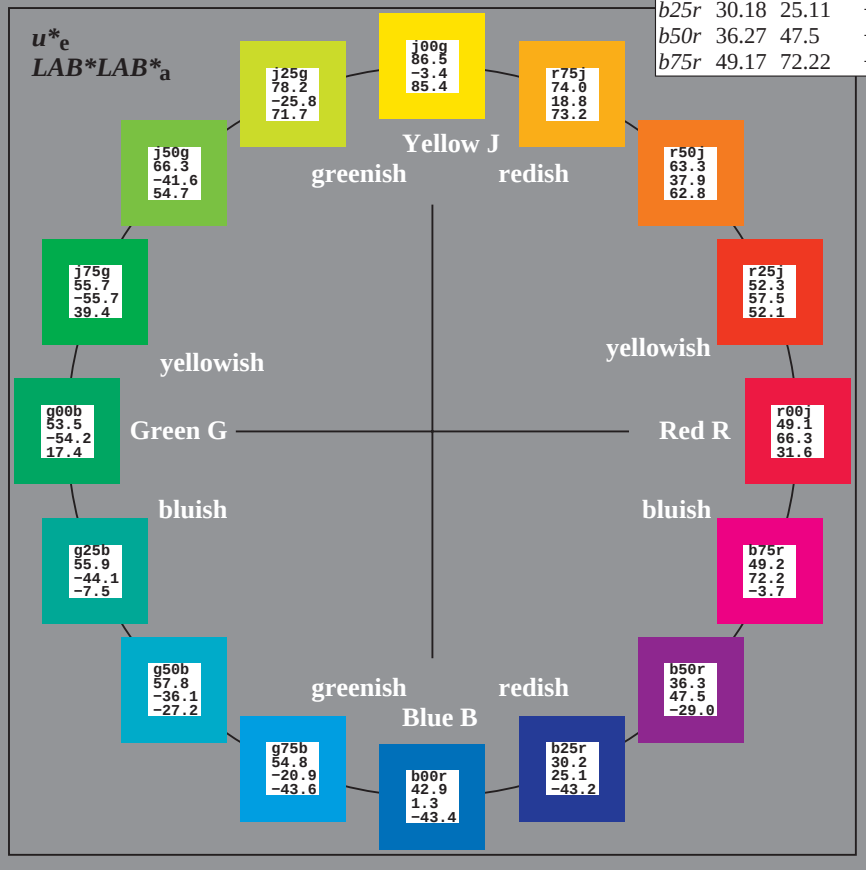
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

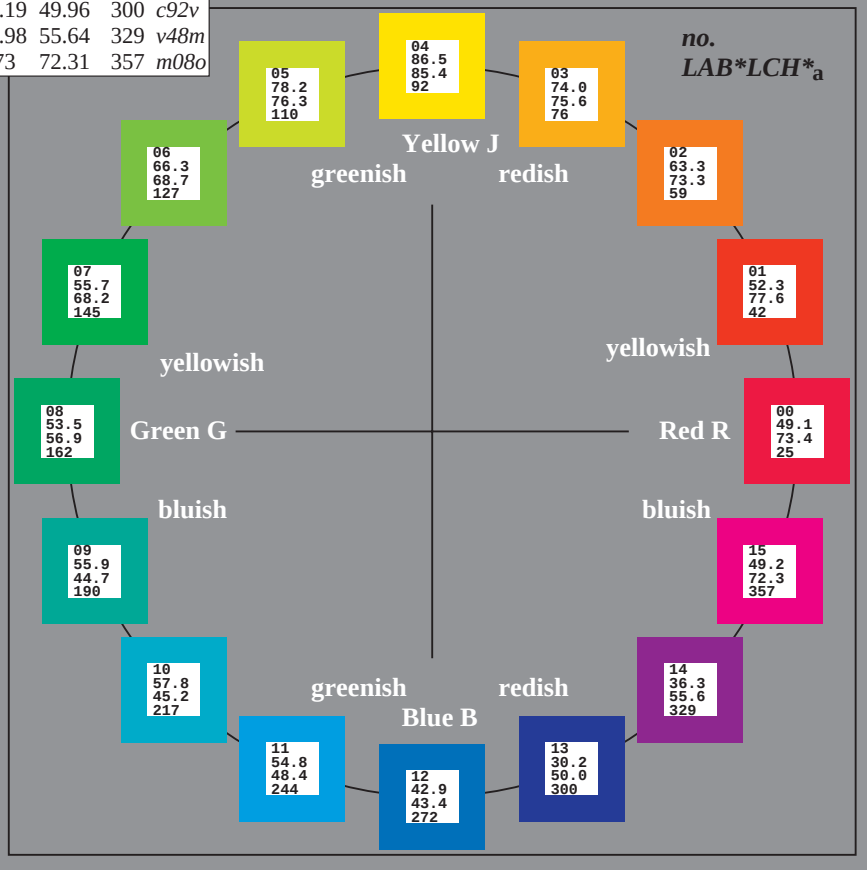


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

*lab*tch** **and** *lab*icu**

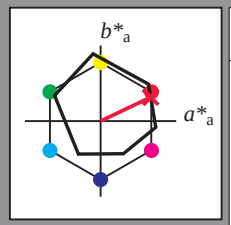
Hue texts:

u^*_e = *r00j* u^*_d = *m72o*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 49 66 32**

***LAB*LCH*Ma*: 49 73 25**

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

***lab*olv*Ma*: 1.0 0.0 0.28**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

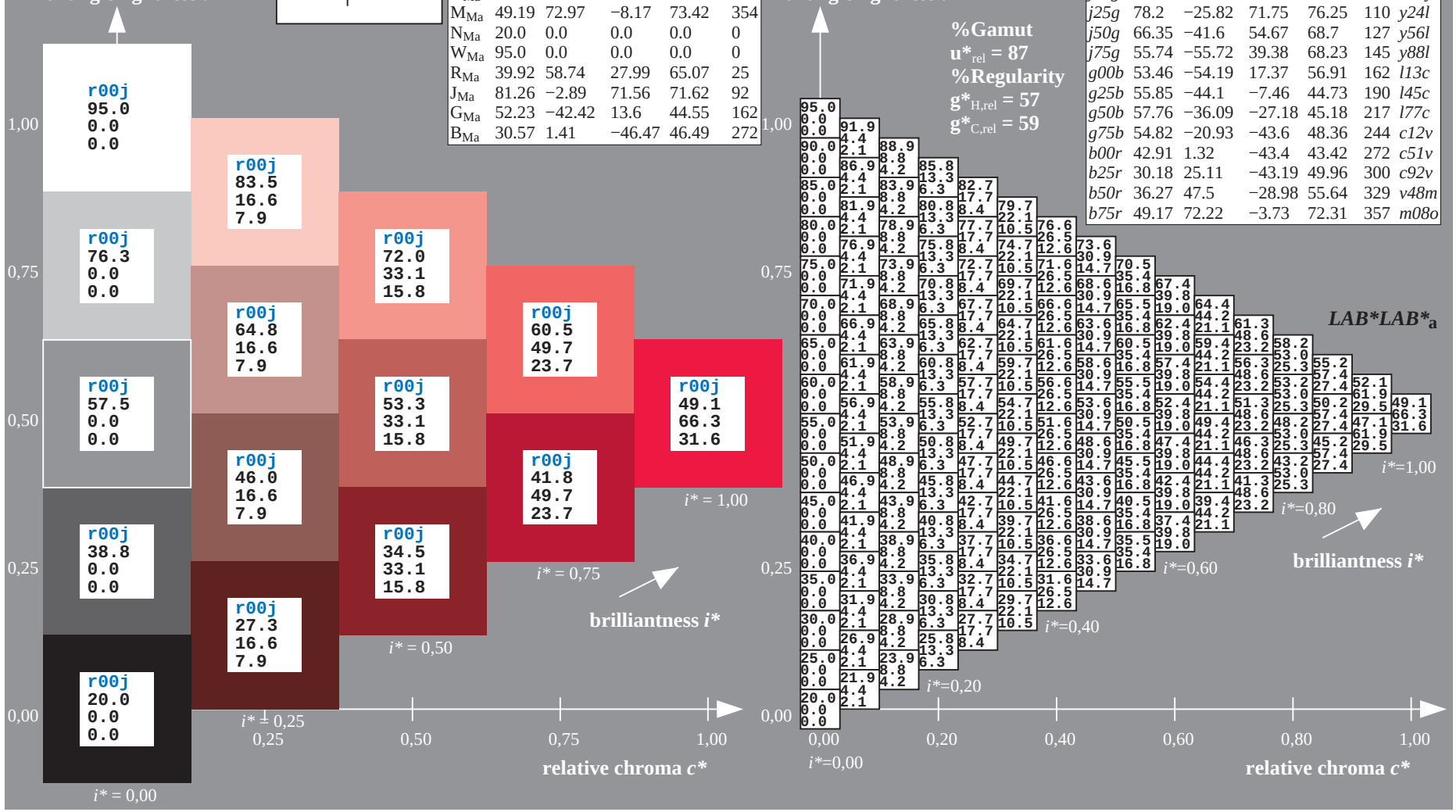
$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

u^*_e = *r00j*

LAB*LAB*a

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

data for any colour:

*lab*tch** **and** *lab*icu**

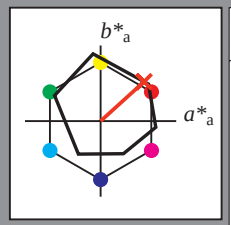
Hue texts:

$u^*_e = r25j$ $u^*_d = o08y$

contrast reduction factor:

$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 52 57 52

$LAB^*LCH^*_{Ma}$: 52 78 42

$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 1.0 0.08 0.0

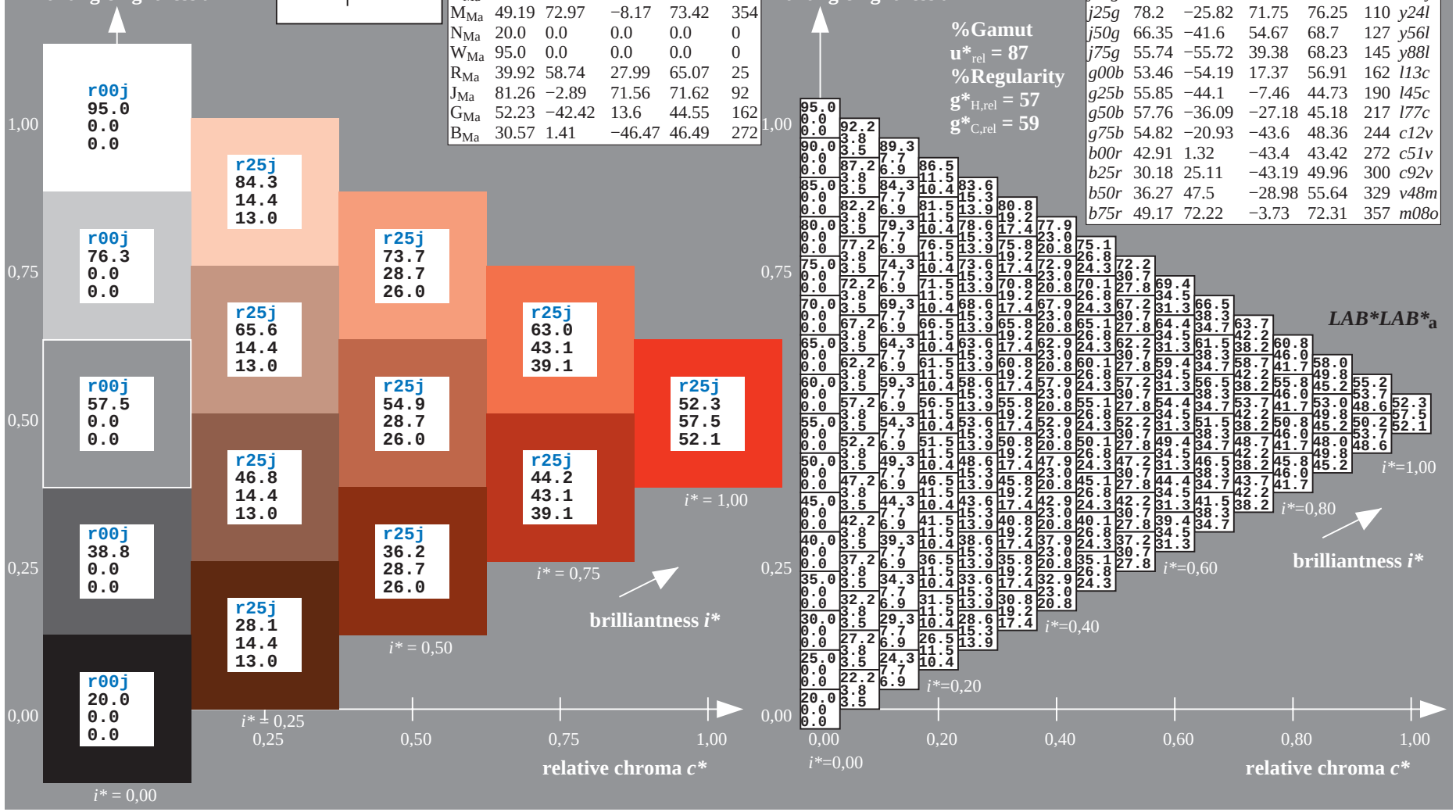
triangle lightness t^*

$u^*_e = r25j$

$LAB^*LAB^*_a$

ORS18_95aM; adapted (a) CIELAB data

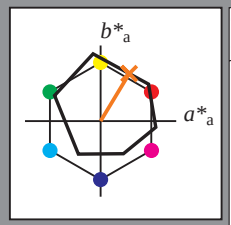
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

$u^*_e = r50j$
$LAB^*LAB^*_a$

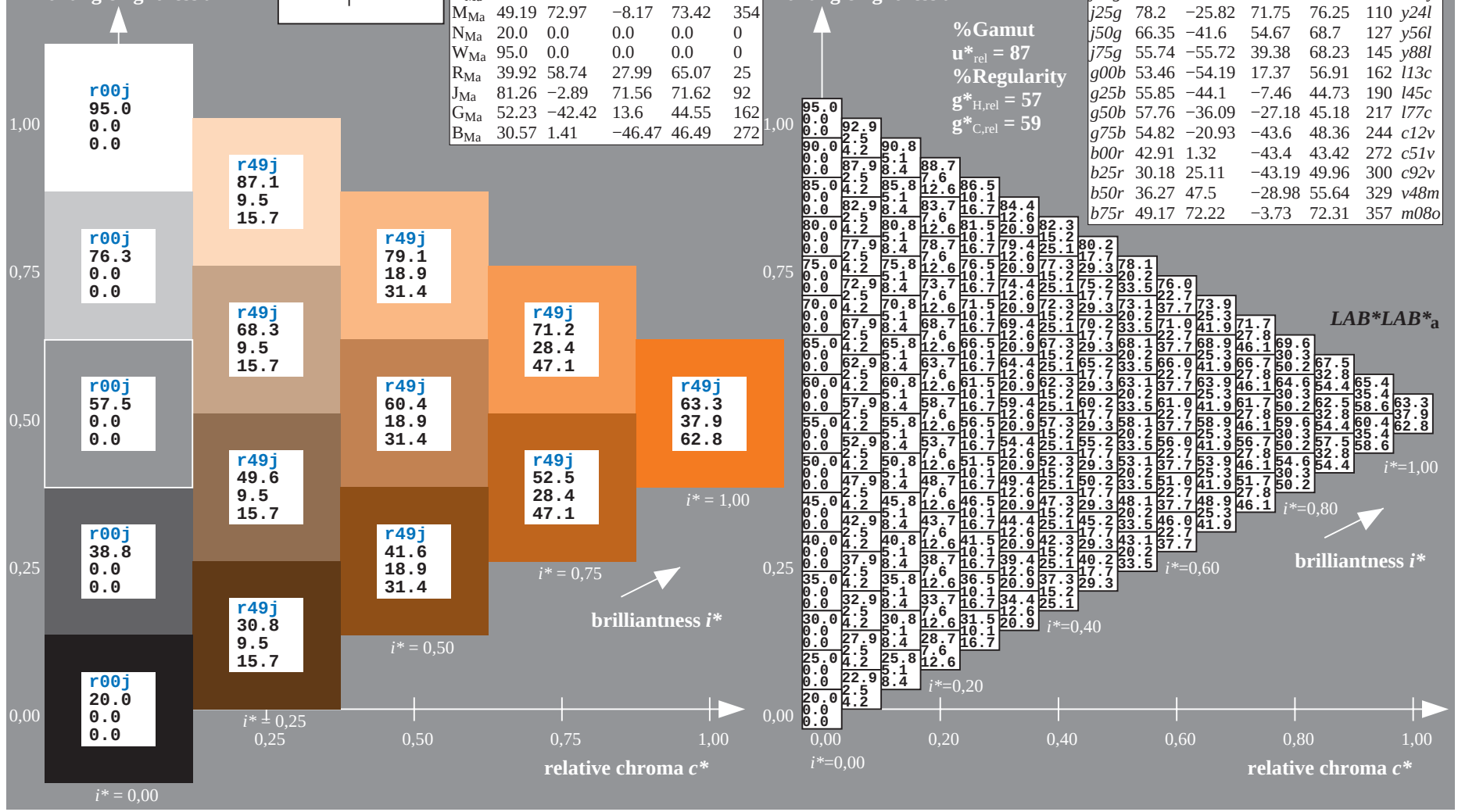
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r50j$ $u^*_d = o36y$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 63 38 63**
***LAB*LCH*$_{Ma}$*: 63 73 58**
***lab*rgb*$_{Ma}$*: 1.0 0.5 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.36 0.0**
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

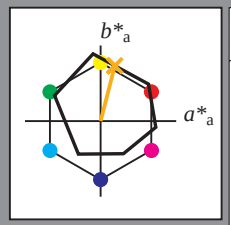
$u^*_e = r75j$
$LAB^*LAB^*_a$

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

Hue texts:
$u^*_e = r75j$ $u^*_d = o64y$

contrast reduction factor:
$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

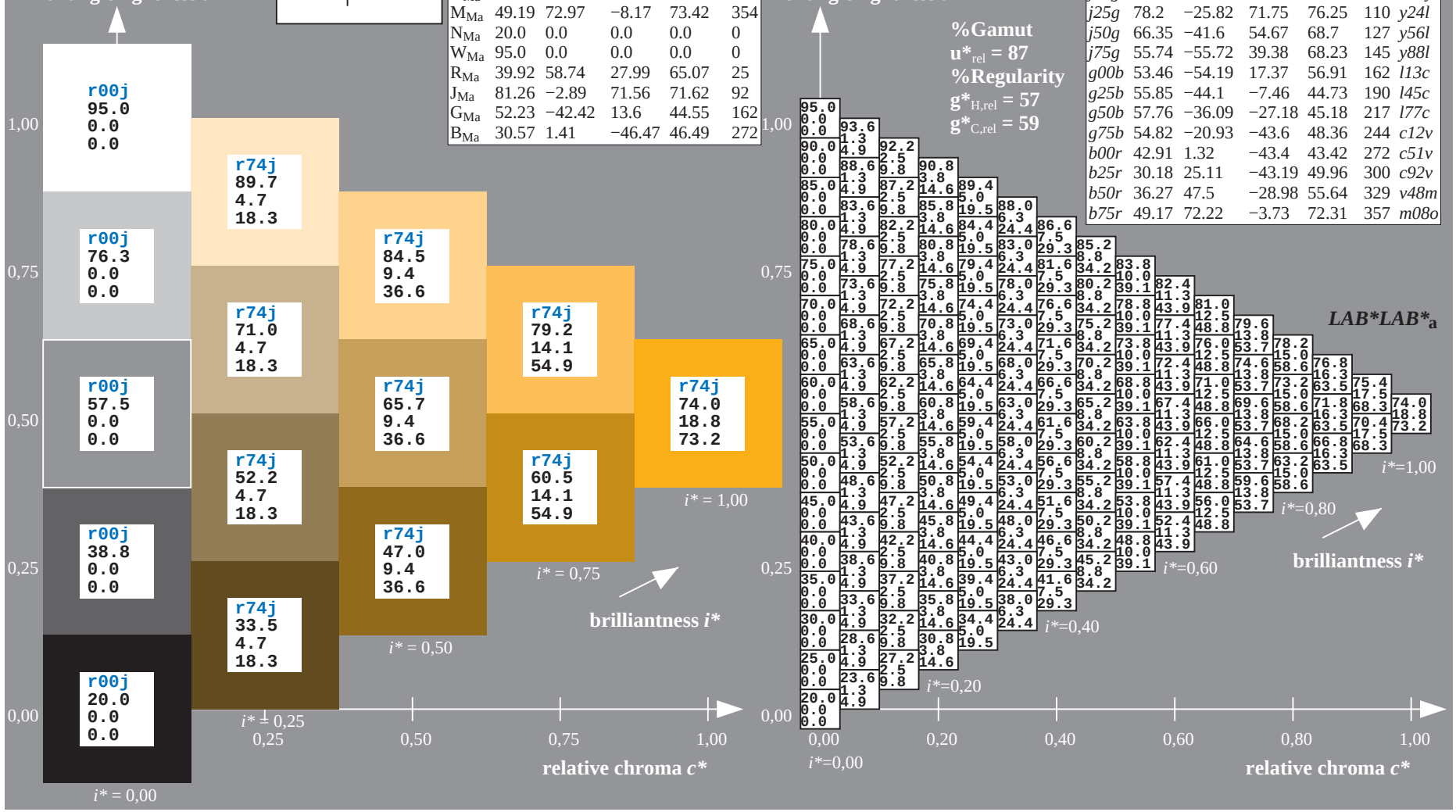
Data for maximum colour (Ma):

***LAB*LAB*Ma*: 74 19 73**
***LAB*LCH*Ma*: 74 76 75**
***lab*rgb*Ma*: 1.0 0.75 0.0**
***lab*olv*Ma*: 1.0 0.65 0.0**

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

*lab*tch** **and** *lab*icu**

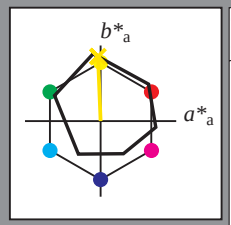
Hue texts:

u^*_e = *j00g* u^*_d = *o92y*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 86 −3 85

*LAB*LCH**$_{Ma}$: 86 85 92

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

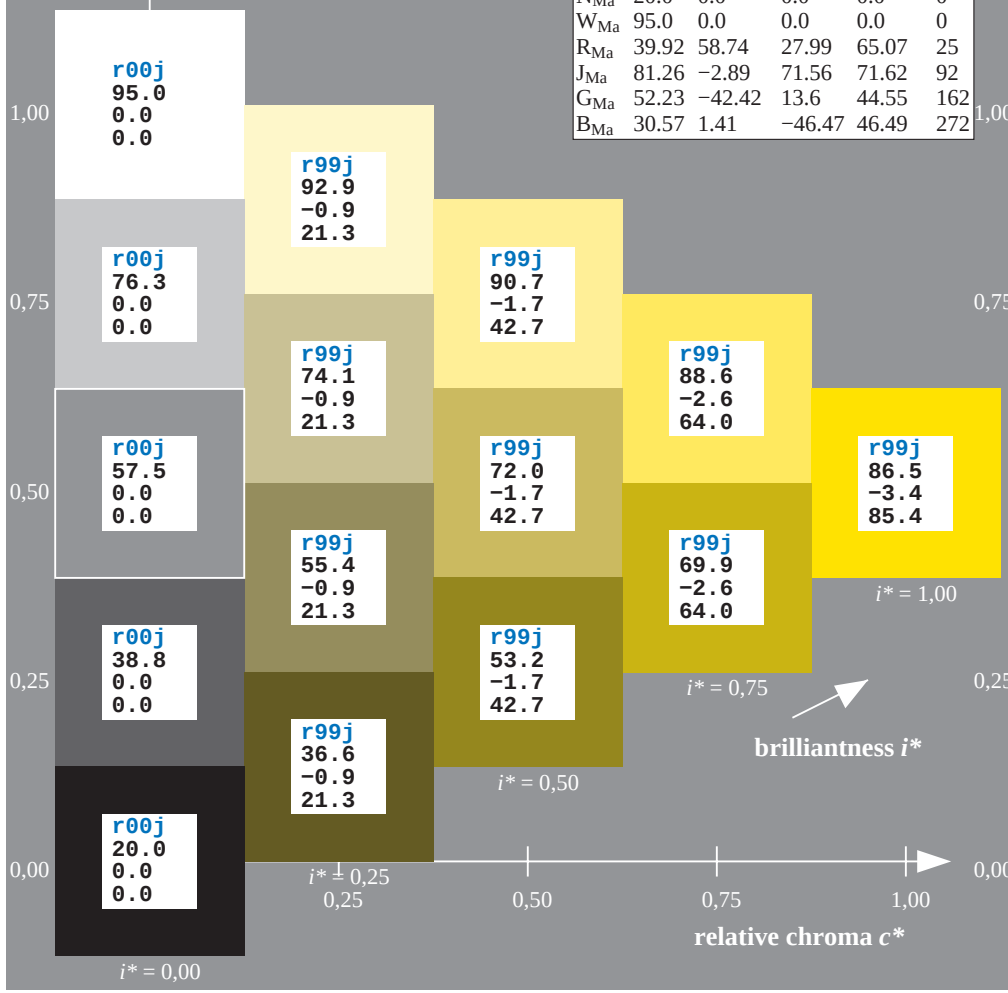
*lab*olv**$_{Ma}$: 1.0 0.93 0.0

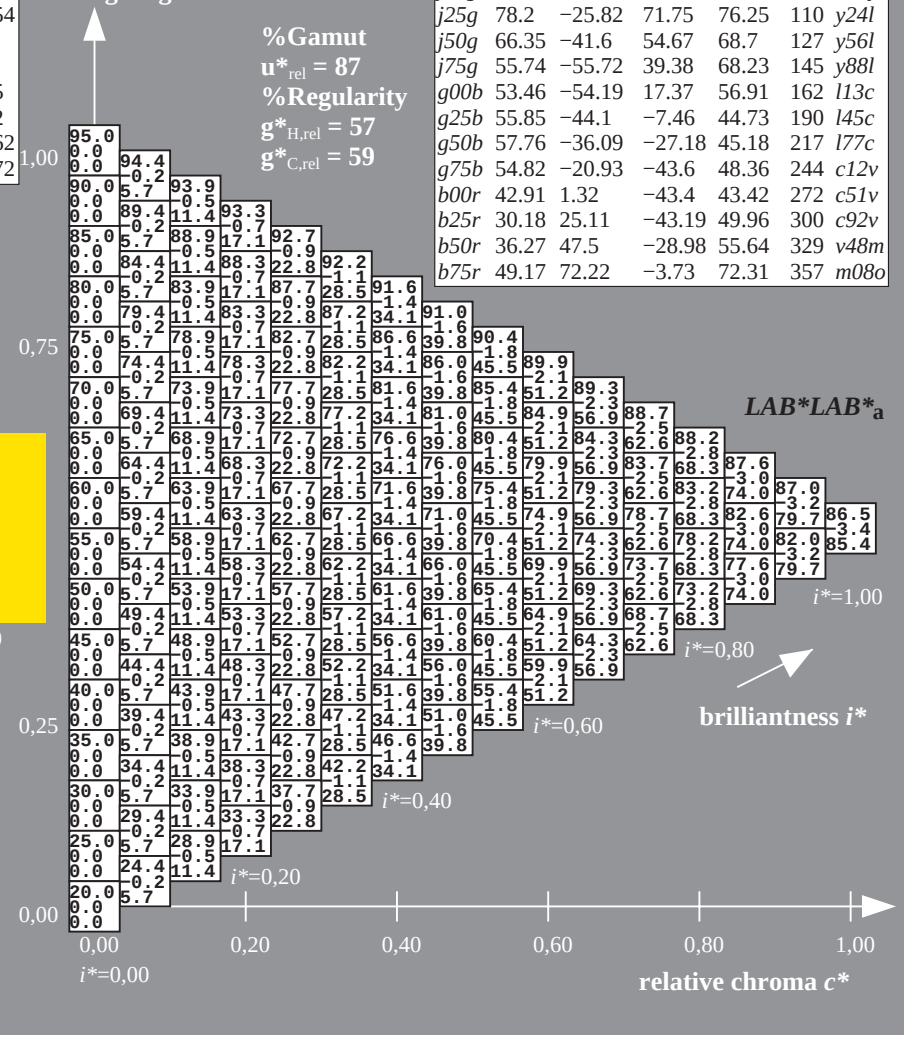
triangle lightness *t**

u^*_e = *j00g*

*LAB*LAB**$_a$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*





Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

*lab*tch** and *lab*icu**

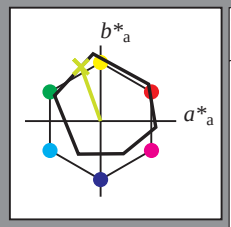
Hue texts:

$u^*_e = j25g$ $u^*_d = y24l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 78 −26 72**

***LAB*LCH**$_{Ma}$: 78 76 109**

***lab*rgb**$_{Ma}$: 0.75 1.0 0.0**

***lab*olv**$_{Ma}$: 0.75 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

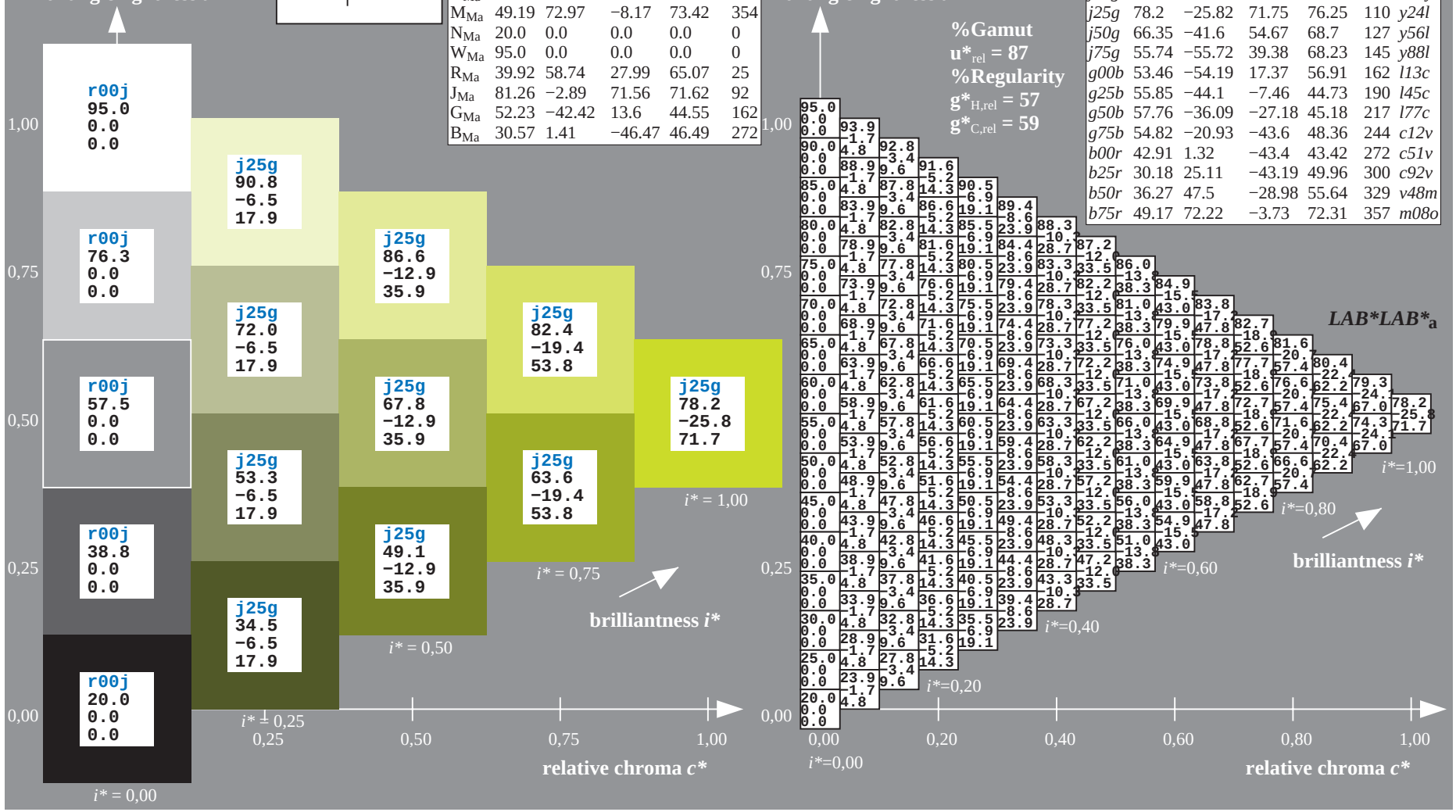
$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$u^*_e = j25g$

***LAB*LAB**$_a$**

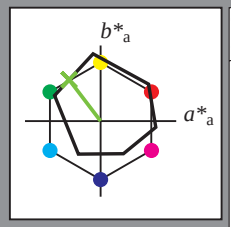
ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

$u^*_e = j50g$
$LAB^*LAB^*_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j50g$ $u^*_d = y56l$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



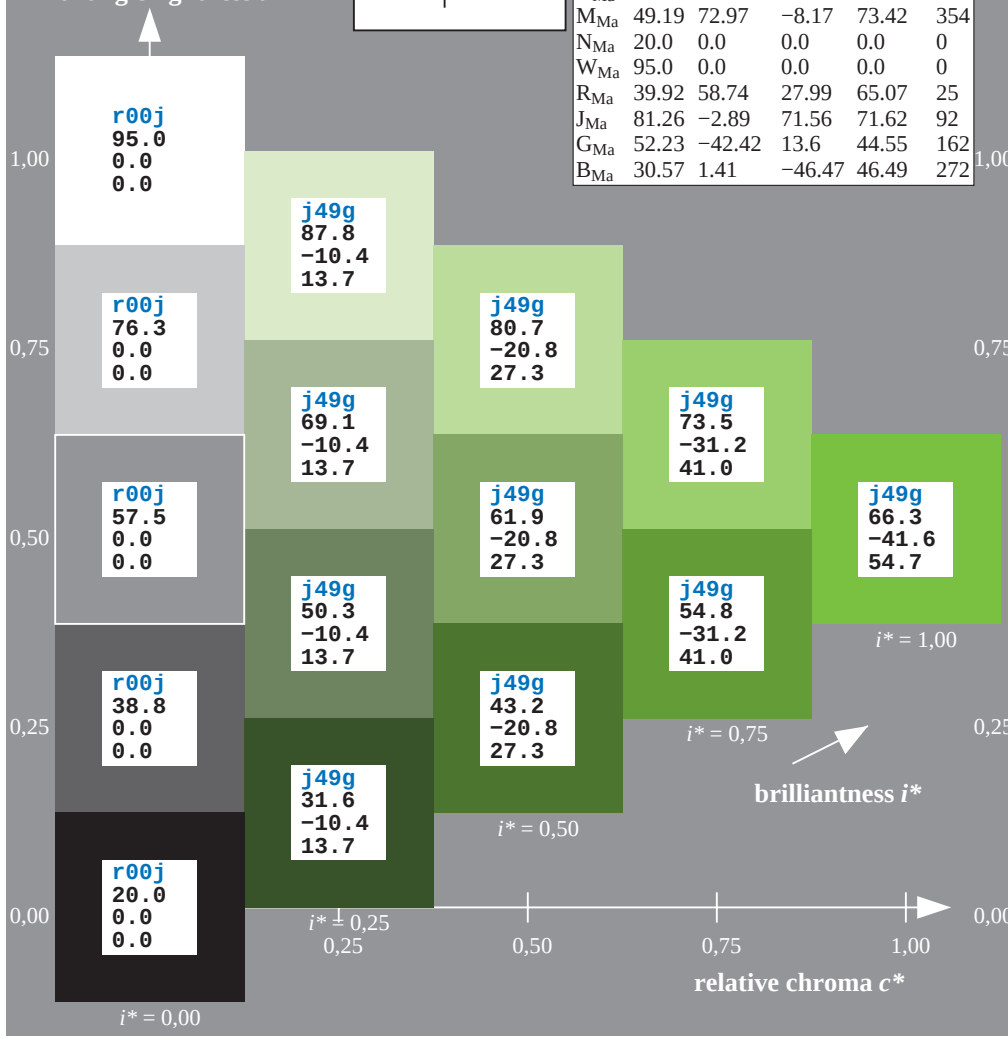
ORS18_95aM; adapted (a) CIELAB data

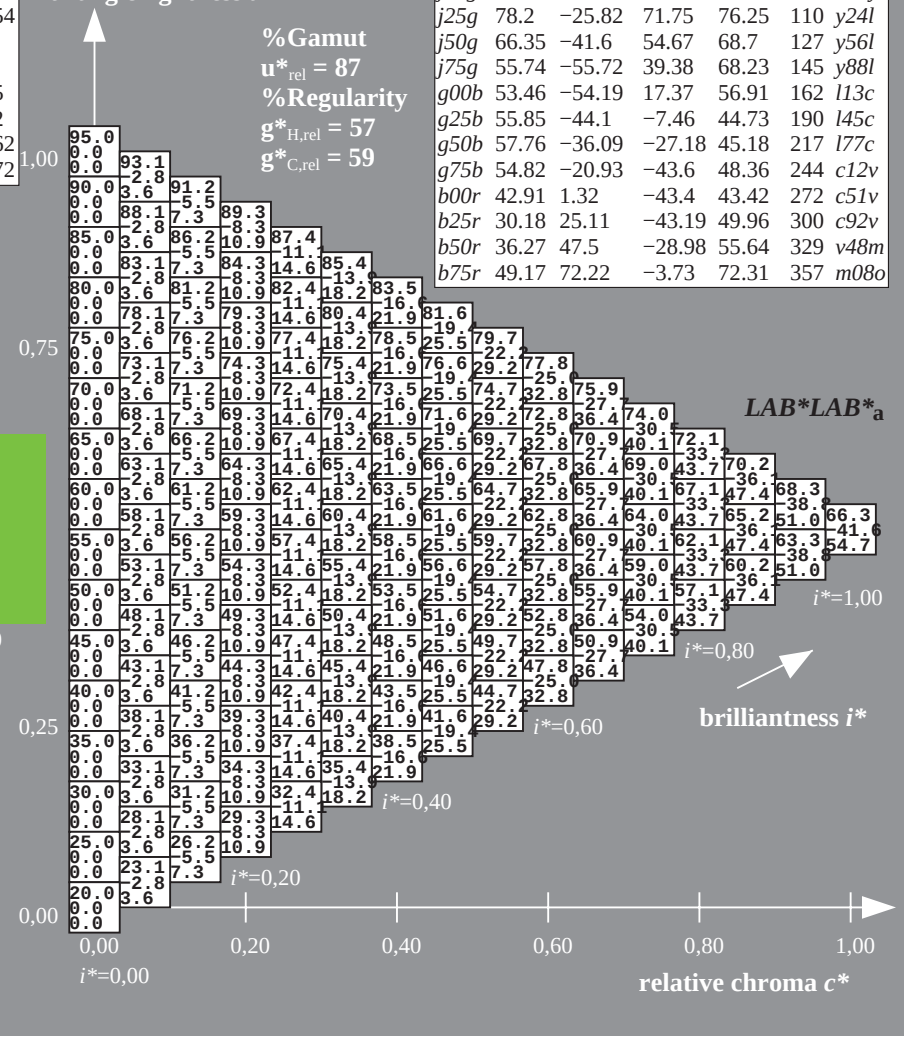
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 66 −42 55
$LAB^*LCH^*_{Ma}$: 66 69 127
$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0
$lab^*olv^*_{Ma}$: 0.43 1.0 0.0

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

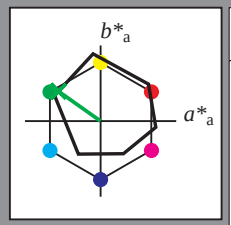




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

$u^*_e = j75g$
$LAB^*LAB^*_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j75g$ $u^*_d = y88l$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

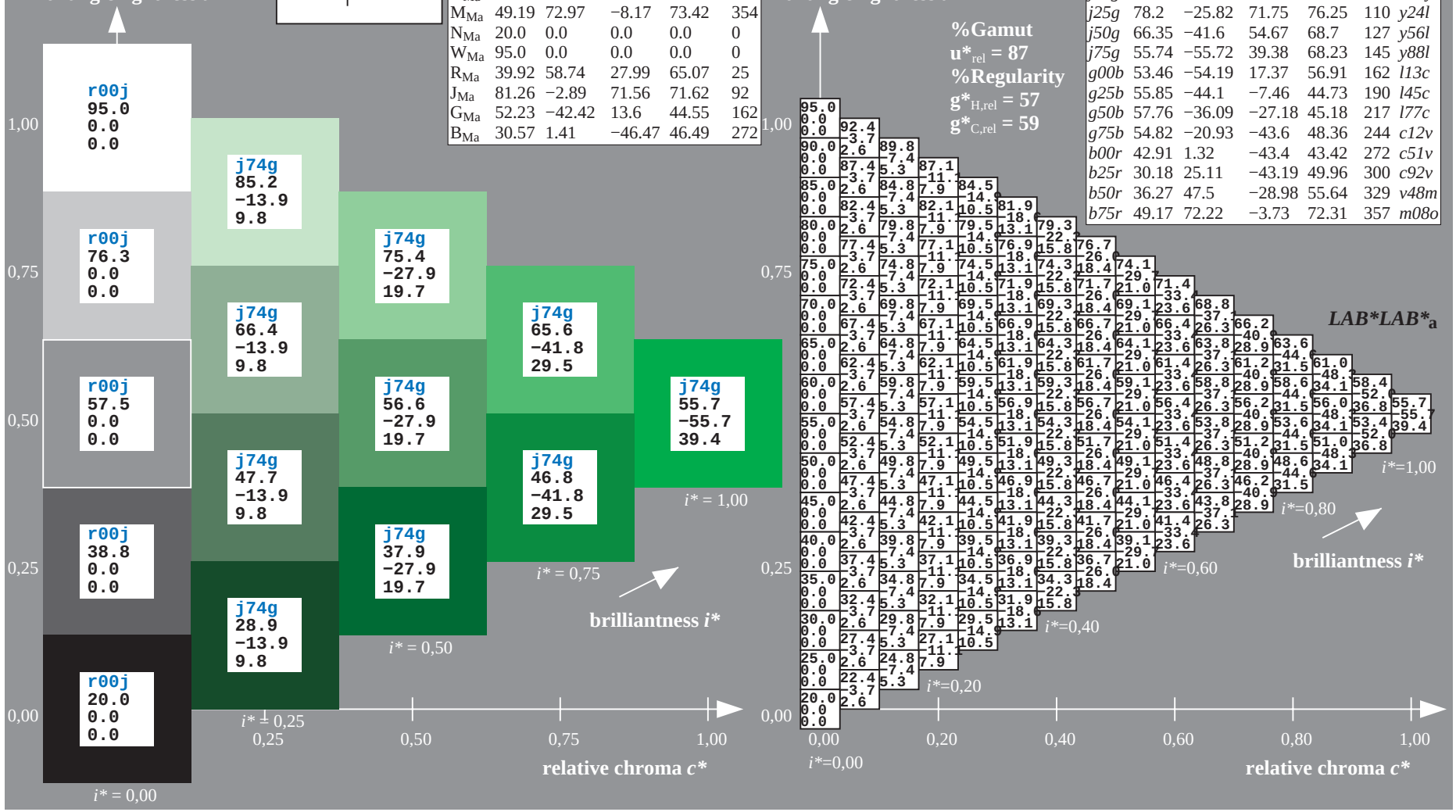
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 56 −56 39**
***LAB*LCH*$_{Ma}$*: 56 68 144**
***lab*rgb*$_{Ma}$*: 0.25 1.0 0.0**
***lab*olv*$_{Ma}$*: 0.11 1.0 0.0**
triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

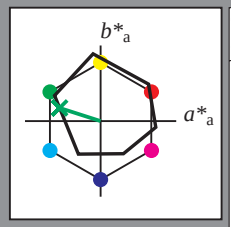
Hue texts:

u^*_e = *g00b* u^*_d = *l13c*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 53 −54 17**

***LAB*LCH**$_{Ma}$: 53 57 162**

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

***lab*olv**$_{Ma}$: 0.0 1.0 0.13**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

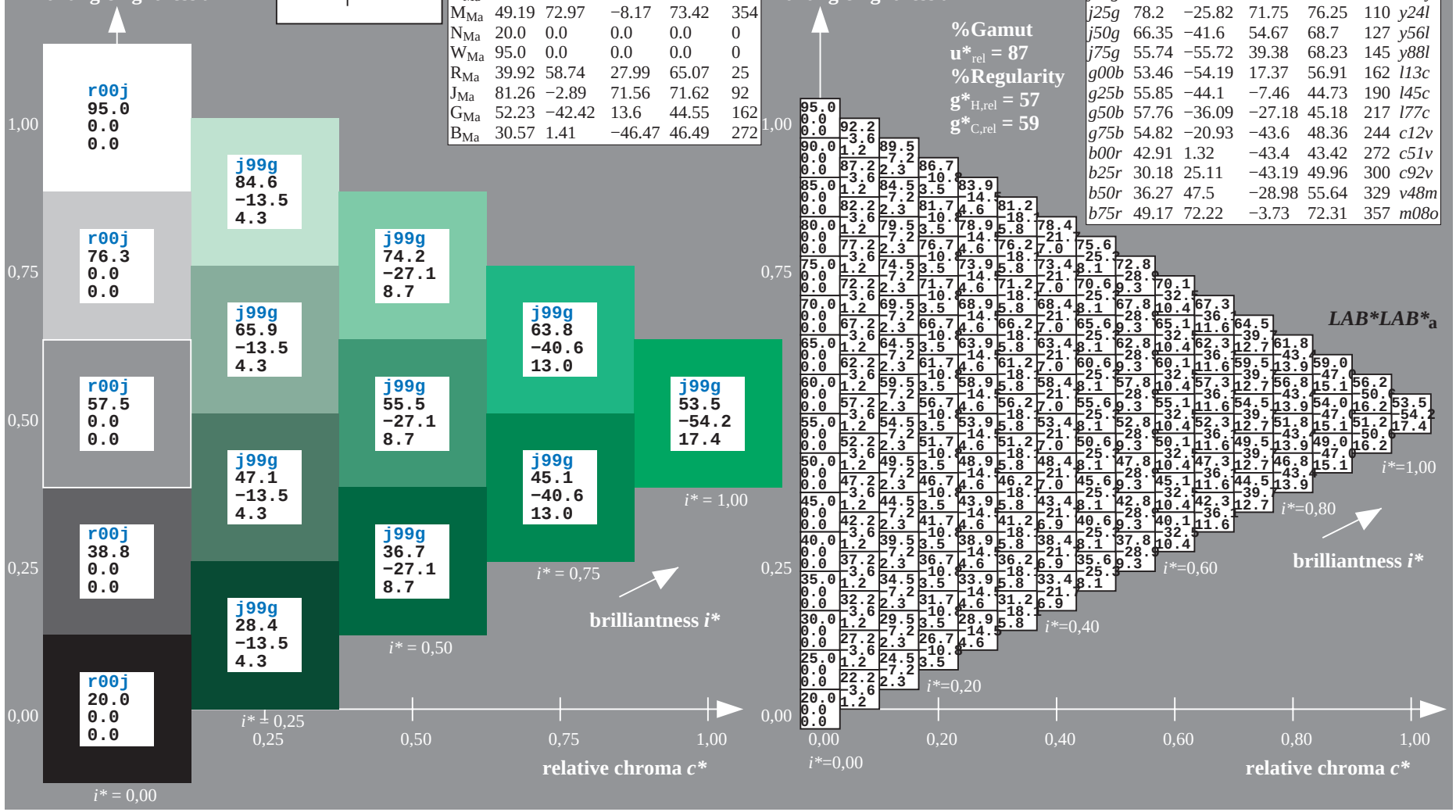
$g^*_{H,rel}$ = 57

$g^*_{C,rel}$ = 59

u^*_e = *g00b*

***LAB*LAB**$_a$**

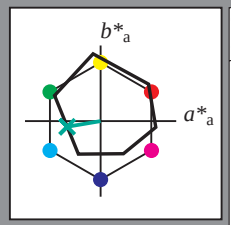
ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g25b$ $u^*_d = l45c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

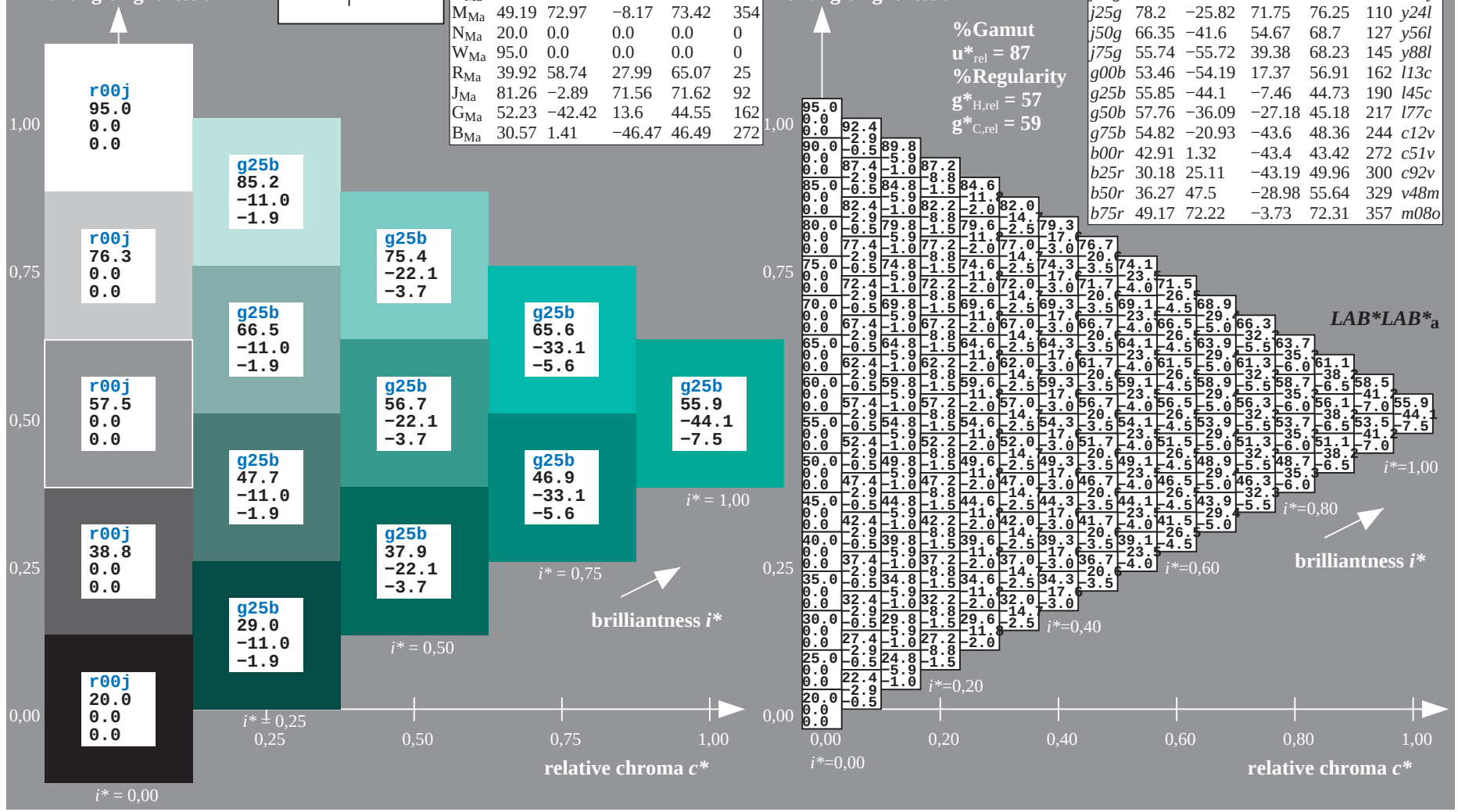
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 −44 −7
$LAB^*LCH^*_{Ma}$: 56 45 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.45
triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

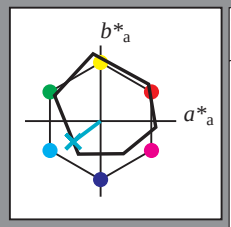
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g50b$ $u^*_d = l77c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



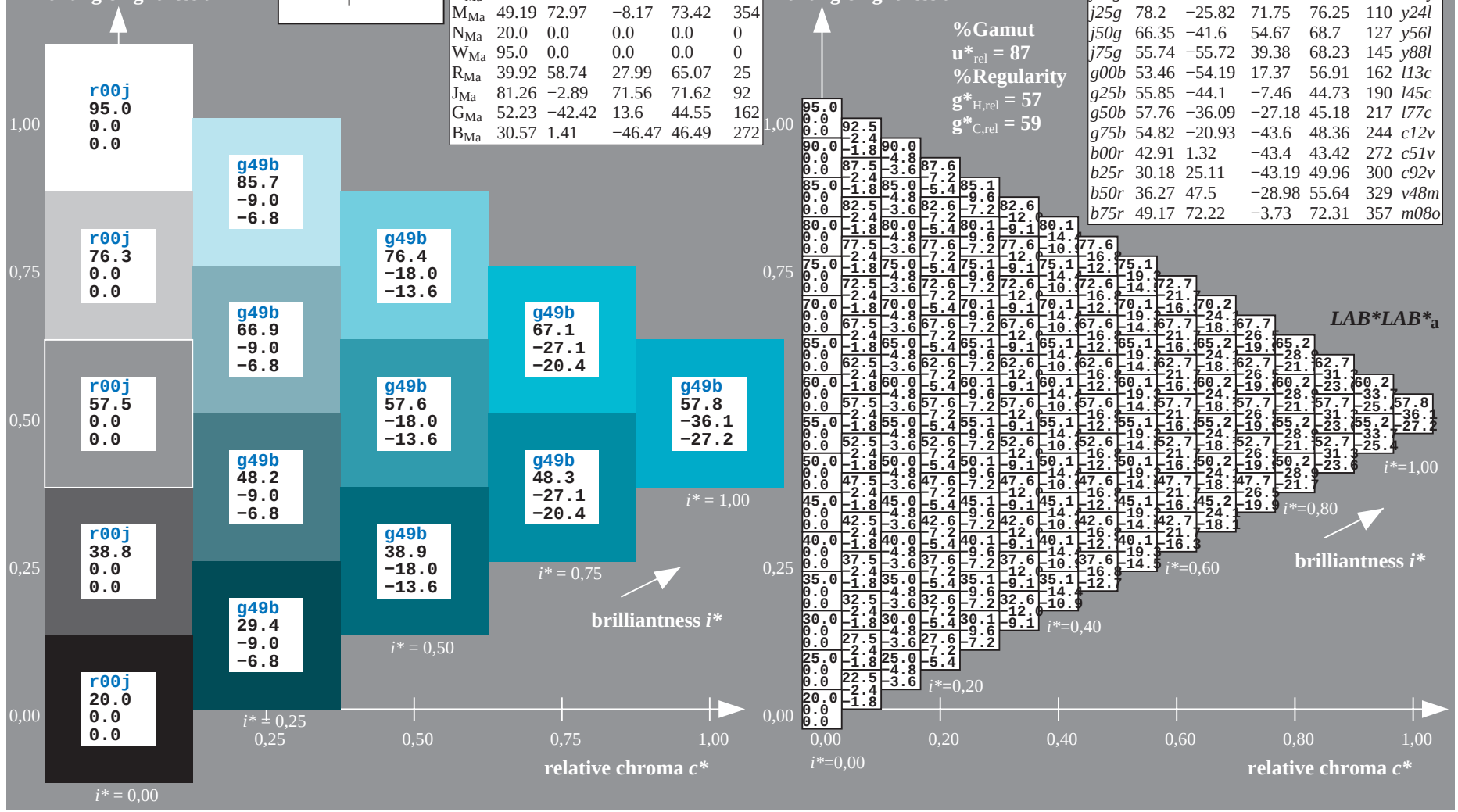
ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 58 −36 −27**
***LAB*LCH**$_{Ma}$: 58 45 216**
***lab*rgb**$_{Ma}$: 0.0 1.0 1.0**
***lab*olv**$_{Ma}$: 0.0 1.0 0.78**
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

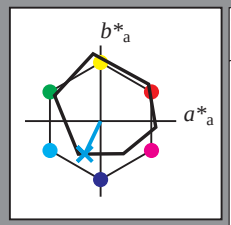
Hue texts:

u^*_e = *g75b* u^*_d = *c12v*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 55 −21 −44

*LAB*LCH**$_{Ma}$: 55 48 244

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

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

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

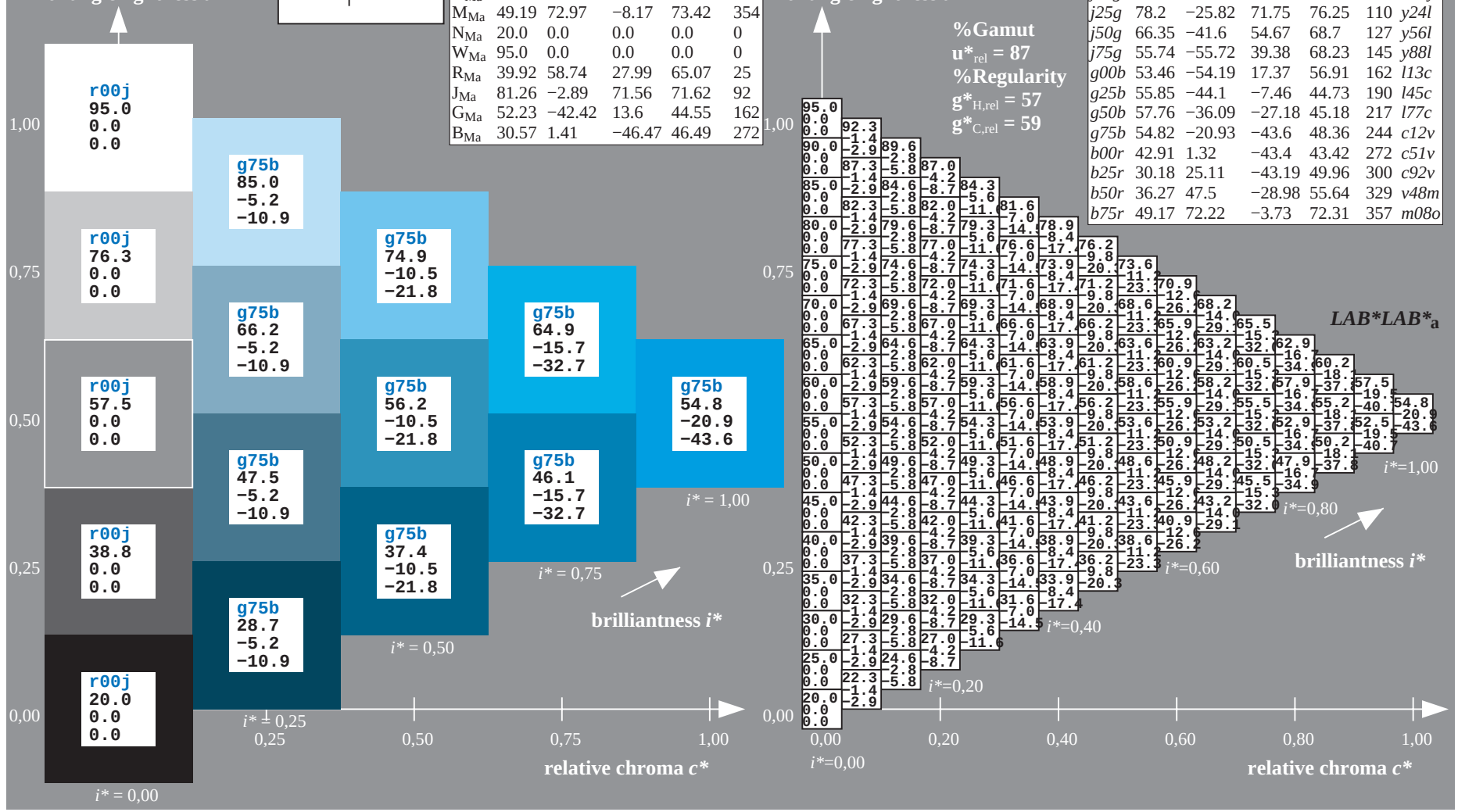
$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

u^*_e = *g75b*

*LAB*LAB**$_a$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

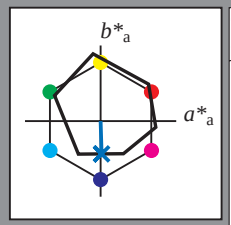
Hue texts:

u^*_e = *b00r* u^*_d = *c51v*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 43 1 −43

*LAB*LCH**$_{Ma}$: 43 43 271

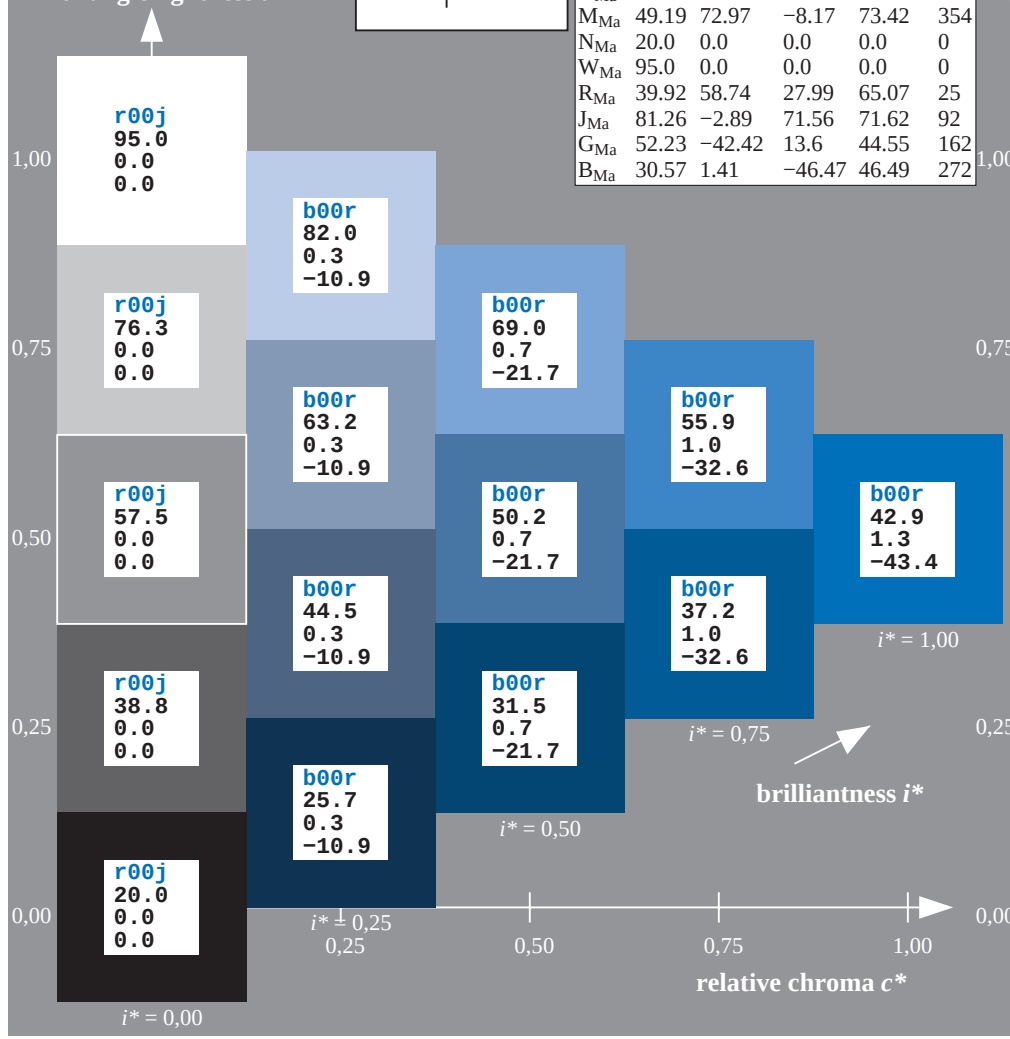
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0

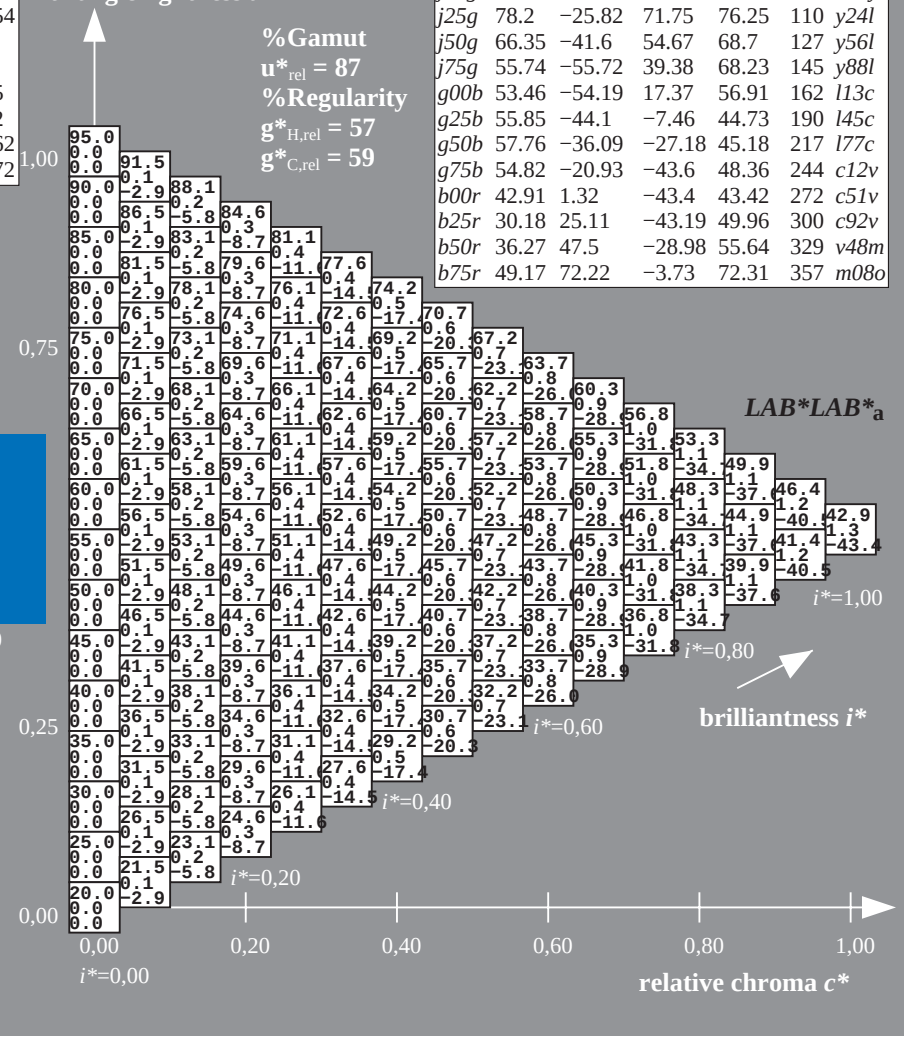
*lab*olv**$_{Ma}$: 0.0 0.48 1.0

u^*_e = *b00r*

*LAB*LAB**$_a$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

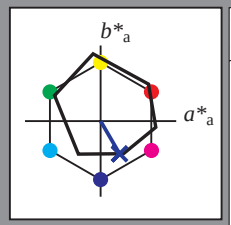




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b25r$ $u^*_d = c92v$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



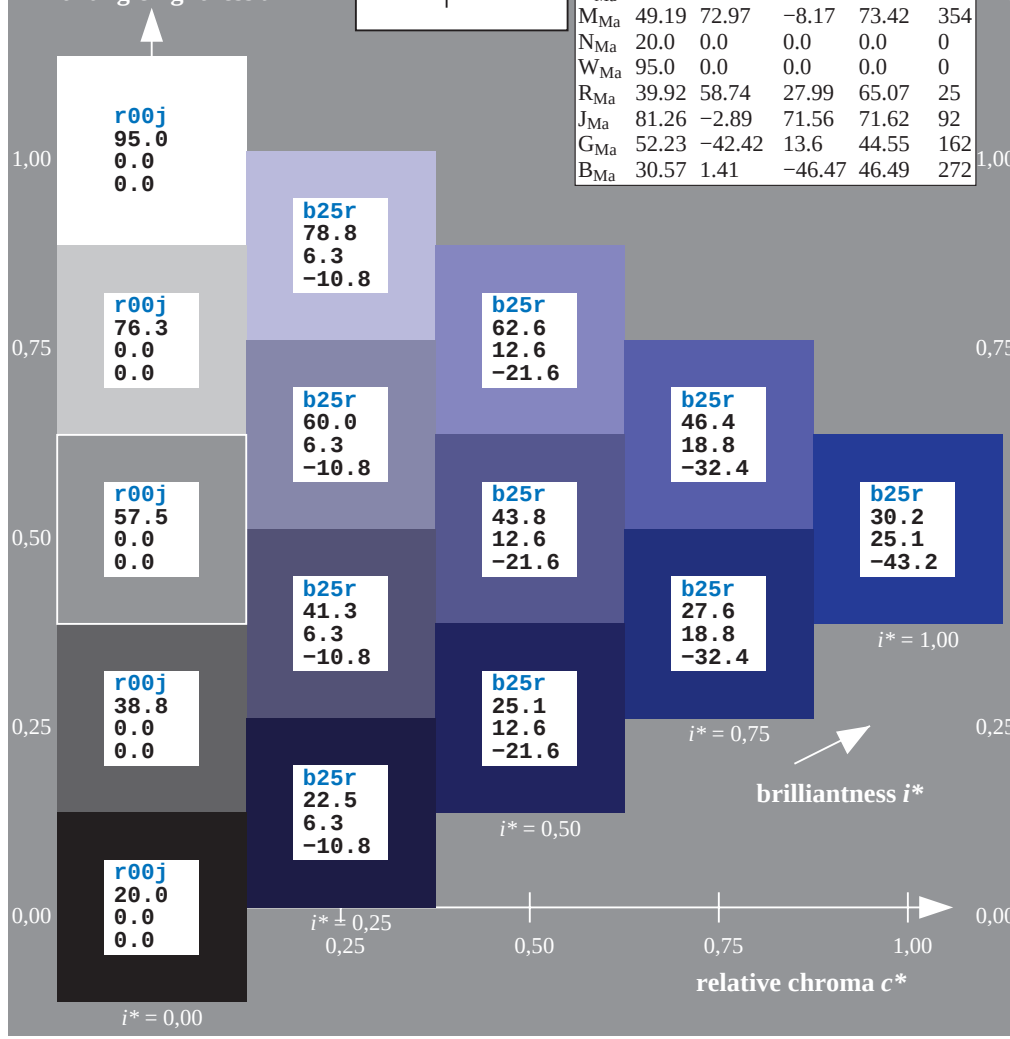
ORS18_95aM; adapted (a) CIELAB data

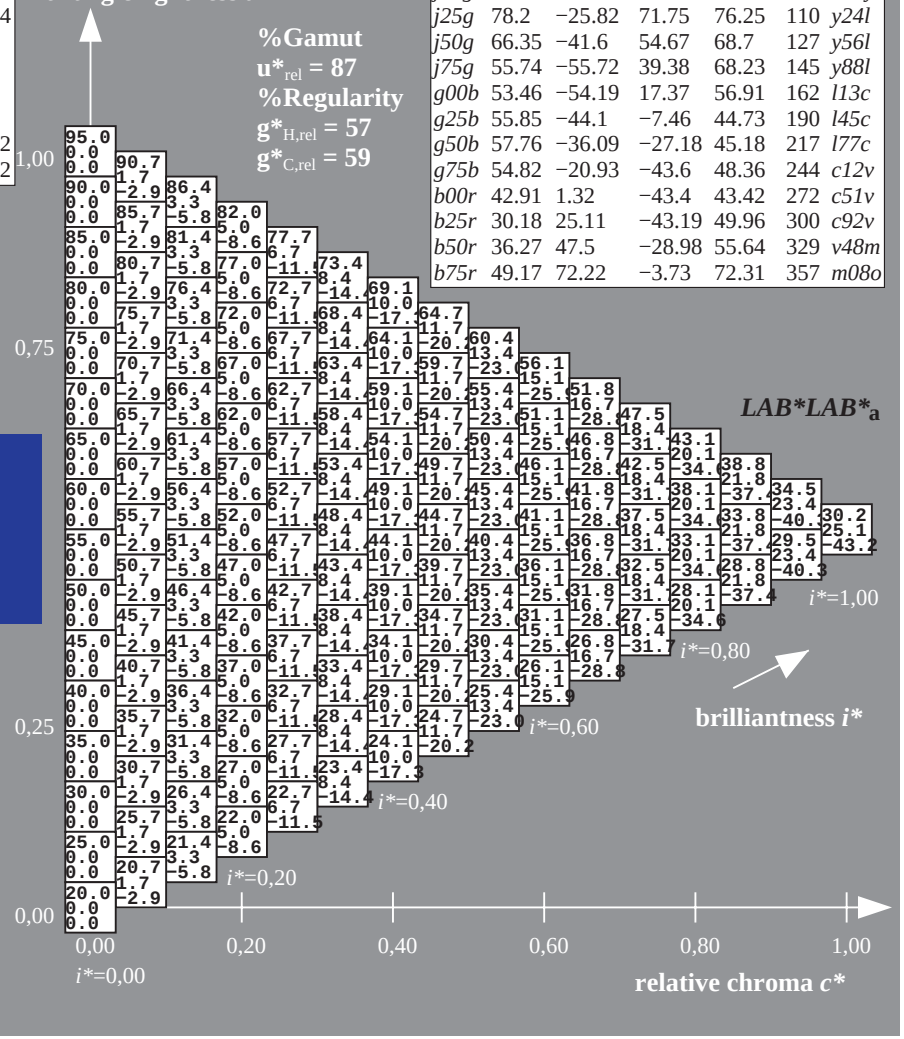
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 30 25 −43
$LAB^*LCH^*_{Ma}$: 30 50 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.07 1.0
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*





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

data for any colour:

*lab*tch** and *lab*icu**

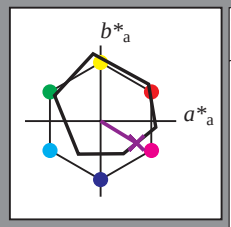
Hue texts:

u^*_e = *b50r* u^*_d = *v48m*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 36 47 −29**

***LAB*LCH**$_{Ma}$: 36 56 328**

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

***lab*olv**$_{Ma}$: 0.49 0.0 1.0**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

$g^*_{H,rel}$ = 57

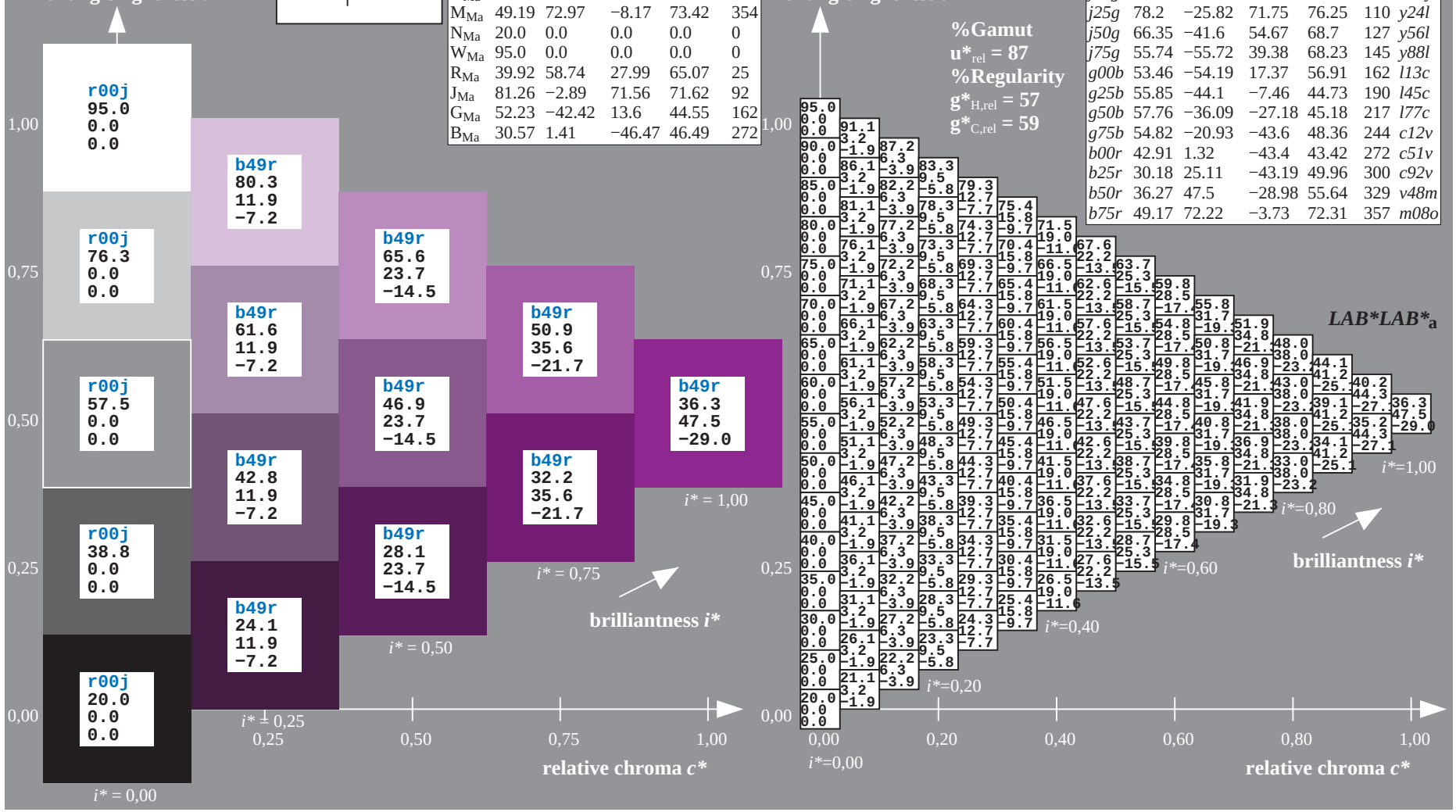
$g^*_{C,rel}$ = 59

u^*_e = *b50r*

***LAB*LAB**$_a$**

ORS18_95aM; adapted (a) CIELAB data

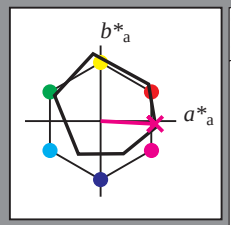
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b75r$ $u^*_d = m08o$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



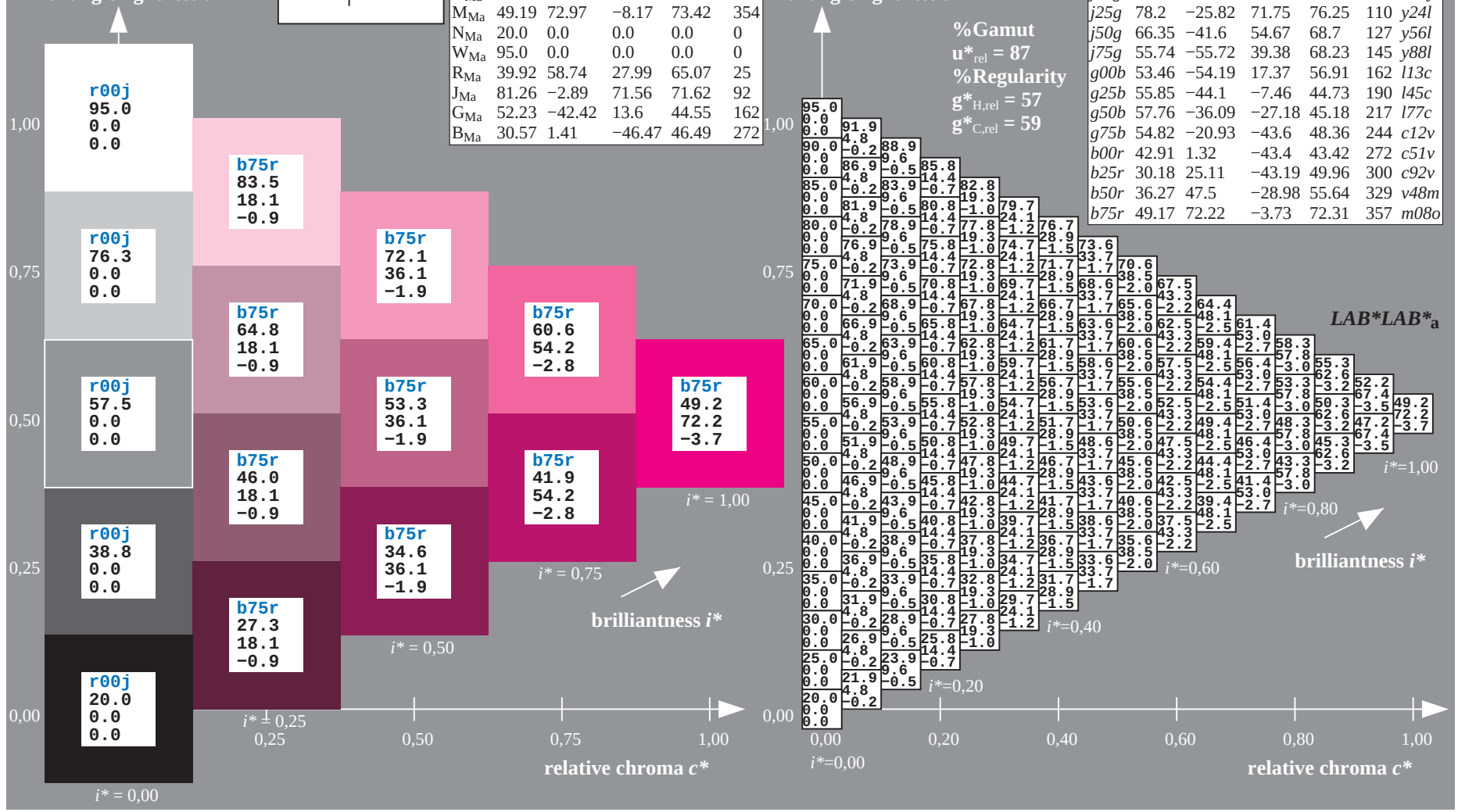
ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 49 72 −4**
***LAB*LCH*$_{Ma}$*: 49 72 357**
***lab*rgb*$_{Ma}$*: 1.0 0.0 0.5**
***lab*olv*$_{Ma}$*: 1.0 0.0 0.92**
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

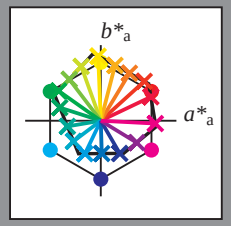


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*	LAB*a		
01	20.0	24.0	28.0	32.0	35.9	39.9	43.9	47.9	51.9	23.6	28.8	32.2	36.1	40.1	44.1	48.1	52.1	56.1	27.3	32.1	37.5	40.5	44.3	48.2	52.2	56.2	60.2	95.0	89.3	83.5	77.8	72.0	66.3	60.5	54.8	49.0	20.0	20.0	20.0	20.0	
	0.0	-7.6	-15.2	-22.8	-30.4	-38.0	-45.7	-53.3	-60.9	7.9	-1.2	-9.6	-17.3	-24.9	-32.4	-40.0	-47.6	-55.2	15.8	7.2	-2.5	-11.4	-19.3	-27.0	-34.6	-42.1	-49.7	0.0	7.9	15.8	23.8	31.7	39.6	47.5	55.5	63.4	0.0	0.0	0.0	0.0	
	0.0	4.2	8.5	12.7	16.9	21.1	25.4	29.6	33.8	6.1	11.1	14.5	18.7	22.9	27.2	31.4	35.7	39.9	12.2	16.9	22.2	25.0	29.0	33.1	37.4	41.6	45.9	0.0	6.1	12.2	18.3	24.4	30.6	36.7	42.8	48.9	0.0	0.0	0.0	0.0	
02	20.9	24.9	29.0	33.2	37.2	41.3	45.3	49.4	53.4	23.6	29.4	33.4	37.3	41.3	45.3	49.3	53.3	57.3	27.3	33.0	38.1	41.5	45.5	49.5	53.5	57.5	61.5	90.5	85.6	79.9	74.1	68.4	62.6	56.9	51.1	45.4	29.4	29.4	29.4	29.4	
	3.8	-3.7	-10.7	-17.8	-25.0	-32.3	-39.6	-47.0	-54.5	9.1	0.0	-7.6	-15.2	-22.8	-30.4	-38.0	-45.7	-53.3	17.1	7.9	-1.2	-9.6	-17.3	-24.9	-32.4	-40.0	-47.6	-3.7	0.0	7.9	15.8	23.8	31.7	39.6	47.5	55.5	0.0	0.0	0.0	0.0	
	-5.4	-5.5	-2.6	0.2	3.4	6.9	10.5	14.3	18.1	-1.0	0.0	4.2	8.5	12.7	16.9	21.1	25.4	29.6	4.8	6.1	11.1	14.5	18.7	22.9	27.2	31.4	35.7	-5.5	0.0	6.1	12.2	18.3	24.4	30.6	36.7	42.8	0.0	0.0	0.0	0.0	
03	21.9	25.9	29.8	33.9	38.1	42.2	46.3	50.4	54.5	24.1	30.3	34.3	38.4	42.5	46.6	50.7	54.7	58.7	27.3	33.0	38.8	42.7	46.7	50.7	54.7	58.7	62.7	86.1	81.2	76.3	70.5	64.8	59.0	53.3	47.5	41.8	38.8	38.8	38.8	38.8	
	7.5	0.1	-7.3	-14.6	-21.5	-28.5	-35.5	-42.7	-49.9	12.0	3.8	-3.7	-10.7	-17.8	-25.0	-32.3	-39.6	-47.0	18.2	9.1	0.0	-7.6	-15.2	-22.8	-30.4	-38.0	-45.7	-7.3	-3.7	0.0	7.9	15.8	23.8	31.7	39.6	47.5	0.0	0.0	0.0	0.0	
	-10.8	-10.9	-10.9	-7.6	-5.2	-2.5	0.4	3.5	6.8	-7.1	-5.4	-5.5	-2.6	0.2	3.4	6.9	10.5	14.3	-2.0	-1.0	0.0	4.2	8.5	12.7	16.9	21.1	25.4	-10.9	-5.5	0.0	6.1	12.2	18.3	24.4	30.6	36.7	0.0	0.0	0.0	0.0	
04	22.8	27.0	30.5	34.8	38.8	42.9	47.1	51.2	55.4	25.0	31.2	35.2	39.2	43.3	47.4	51.6	55.7	59.8	27.5	33.5	39.7	43.7	47.8	51.9	56.0	60.0	64.1	81.6	76.7	71.8	66.9	61.1	55.4	49.6	43.9	38.1	48.1	48.1	48.1	48.1	
	11.3	3.5	-3.2	-11.0	-18.4	-25.3	-32.2	-39.2	-46.2	15.7	7.5	0.1	-7.3	-14.6	-21.5	-28.5	-35.5	-42.7	20.6	12.0	3.8	-3.7	-10.7	-17.8	-25.0	-32.3	-39.6	-11.0	-7.3	-3.7	0.0	7.9	15.8	23.8	31.7	39.6	0.0	0.0	0.0	0.0	
	-16.2	-16.3	-16.3	-16.4	-12.8	-10.2	-7.7	-5.1	-2.3	-12.6	-10.8	-10.9	-10.9	-7.6	-5.2	-2.5	0.4	3.5	-8.6	-7.1	-5.4	-5.5	-2.6	0.2	3.4	6.9	10.5	-16.4	-10.9	-5.5	0.0	6.1	12.2	18.3	24.4	30.6	0.0	0.0	0.0	0.0	
05	23.7	28.1	31.7	35.3	39.7	43.7	47.8	52.0	56.1	25.9	32.2	36.4	39.9	44.1	48.2	52.3	56.5	60.6	28.3	34.4	40.6	44.6	48.6	52.7	56.8	60.9	65.1	77.2	72.3	67.3	62.4	57.5	51.8	46.0	40.3	34.5	57.5	57.5	57.5	57.5	
	15.1	6.9	0.2	-6.5	-14.7	-22.2	-29.1	-36.0	-42.9	19.4	11.3	3.5	-3.2	-11.0	-18.4	-25.3	-32.2	-39.2	24.0	15.7	7.5	0.1	-7.3	-14.6	-21.5	-28.5	-35.5	-14.7	-11.0	-7.3	-3.7	0.0	7.9	15.8	23.8	31.7	0.0	0.0	0.0	0.0	
	-21.6	-21.6	-21.7	-21.8	-21.8	-18.0	-15.3	-12.8	-10.3	-18.0	-16.2	-16.3	-16.3	-16.4	-12.8	-10.2	-7.7	-5.1	-14.3	-12.6	-10.8	-10.9	-10.9	-7.6	-5.2	-2.5	0.4	-21.8	-16.4	-10.9	-5.5	0.0	6.1	12.2	18.3	24.4	0.0	0.0	0.0	0.0	
06	24.7	29.2	32.9	36.4	40.1	44.6	48.6	52.7	56.9	26.9	33.1	37.5	41.1	44.7	49.1	53.1	57.2	61.4	29.1	35.3	41.6	45.8	49.3	53.5	57.5	61.7	65.8	72.7	67.8	62.9	58.0	53.0	48.1	42.4	36.6	30.9	66.9	66.9	66.9	66.9	
	18.9	10.5	3.5	-3.0	-10.0	-18.4	-25.9	-33.0	-39.9	23.2	15.1	6.9	0.2	-6.5	-14.7	-22.2	-29.1	-36.0	27.6	19.4	11.3	3.5	-3.2	-11.0	-18.4	-25.3	-32.2	-18.4	-14.7	-11.0	-7.3	-3.7	0.0	7.9	15.8	23.8	0.0	0.0	0.0	0.0	
	-27.0	-27.0	-27.1	-27.2	-27.2	-27.3	-23.2	-20.4	-17.9	-23.4	-21.6	-21.6	-21.7	-21.8	-21.8	-18.0	-15.3	-12.8	-19.8	-18.0	-16.2	-16.3	-16.3	-16.4	-12.8	-10.2	-7.7	-27.3	-21.8	-16.4	-10.9	-5.5	0.0	6.1	12.2	18.3	0.0	0.0	0.0	0.0	
07	25.6	30.2	34.0	37.6	41.1	44.9	49.5	53.5	57.6	27.8	34.0	38.5	42.3	45.8	49.5	54.0	58.0	62.1	30.0	36.2	42.5	46.9	50.5	54.1	58.4	62.4	66.6	68.3	63.3	58.4	53.5	48.6	43.7	38.8	33.0	27.3	76.3	76.3	76.3	76.3	
	22.6	14.1	6.9	0.3	-6.3	-13.5	-22.0	-29.7	-36.8	26.9	18.9	10.5	3.5	-3.0	-10.0	-18.4	-25.9	-33.0	31.4	23.2	15.1	6.9	0.2	-6.5	-14.7	-22.2	-29.1	-22.0	-18.4	-14.7	-11.0	-7.3	-3.7	0.0	7.9	15.8	0.0	0.0	0.0	0.0	
	-32.4	-32.4	-32.5	-32.6	-32.6	-32.7	-32.8	-28.5	-25.5	-28.8	-27.0	-27.0	-27.1	-27.2	-27.2	-27.3	-23.2	-20.4	-25.2	-23.4	-21.6	-21.6	-21.7	-21.8	-21.8	-18.0	-15.3	-32.8	-27.3	-21.8	-16.4	-10.9	-5.5	0.0	6.1	12.2	0.0	0.0	0.0	0.0	
08	26.5	31.2	35.1	38.7	42.2	45.8	49.8	54.4	58.4	28.7	35.0	39.5	43.4	46.9	50.5	54.3	58.9	62.9	30.9	37.2	43.4	47.9	51.6	55.1	58.9	63.3	67.3	63.8	58.9	54.0	49.1	44.1	39.2	34.3	29.4	23.6	85.6	85.6	85.6	85.6	
	26.4	17.7	10.3	3.6	-2.9	-9.7	-17.1	-25.7	-33.4	30.7	22.6	14.1	6.9	0.3	-6.3	-13.5	-22.0	-29.7	35.1	26.9	18.9	10.5	3.5	-3.0	-10.0	-18.4	-25.9	-25.7	-22.0	-18.4	-14.7	-11.0	-7.3	-3.7	0.0	7.9	0.0	0.0	0.0	0.0	
	-37.8	-37.8	-37.9	-38.0	-38.0	-38.1	-38.1	-38.2	-33.9	-34.2	-32.4	-32.4	-32.5	-32.6	-32.6	-32.7	-32.8	-28.5	-30.7	-28.8	-27.0	-27.0	-27.1	-27.2	-27.2	-27.3	-23.2	-38.2	-32.8	-27.3	-21.8	-16.4	-10.9	-5.5	0.0	6.1	0.0	0.0	0.0	0.0	
09	27.5	32.2	36.2	39.9	43.4	46.9	50.6	54.7	59.4	29.7	35.9	40.5	44.5	48.1	51.6	55.2	59.2	63.8	31.9	38.1	44.4	48.9	52.8	56.3	59.8	63.7	68.3	59.4	54.4	49.5	44.6	39.7	34.8	29.8	24.9	20.0	95.0	95.0	95.0	95.0	
	30.2	21.4	13.8	7.0	0.4	-6.2	-13.1	-20.6	-29.4	34.5	26.4	17.7	10.3	3.6	-2.9	-9.7	-17.1	-25.7	38.8	30.7	22.6	14.1	6.9	0.3	-6.3	-13.5	-22.0	-29.4	-25.7	-22.0	-18.4	-14.7	-11.0	-7.3	-3.7	0.0	0.0	0.0	0.0	0.0	
	-43.1	-43.2	-43.3	-43.4	-43.4	-43.5	-43.5	-43.6	-43.7	-39.6	-37.8	-37.8	-37.9	-38.0	-38.0	-38.1	-38.1	-38.2	-36.1	-34.2	-32.4	-32.4	-32.5	-32.6	-32.6	-32.7	-32.8	-43.7	-38.2	-32.8	-27.3	-21.8	-16.4	-10.9	-5.5	0.0	0.0	0.0	0.0	0.0	
10	30.9	35.8	40.6	46.3	49.0	52.6	56.5	60.4	64.4	34.5	39.6	44.2	49.1	55.1	57.6	61.0	64.7	68.6	38.1	43.3	47.9	52.6	57.7	63.8	66.2	69.5	73.1	95.0	94.4	93.8	93.2	92.6	91.9	91.3	90.7	90.1	20.0	20.0	20.0	20.0	
	23.8	14.9	6.5	-3.7	-13.0	-21.1	-28.9	-36.6	-44.2	31.7	22.7	14.4	5.6	-5.0	-14.5	-22.9	-30.8	-38.6	39.6	30.5	22.1	13.8	4.7	-6.2	-15.9	-24.5	-32.6	0.0	-1.2	-2.5	-3.7	-5.0	-6.2	-7.5	-8.7	-10.0	0.0	0.0	0.0	0.0	
	18.3	23.2	27.8	33.3	35.7	39.4	43.4	47.6	51.8	24.4	29.4	33.9	38.7	44.5	46.6	50.0	53.9	57.9	30.6	35.5	40.1	44.7	49.6	55.6	57.5	60.7	64.4	0.0	11.1	22.2	33.3	44.5	55.6	66.7	77.8	88.9	0.0	0.0	0.0	0.0	
11	30.9	36.6	41.5	46.9	49.9	53.7	57.6	61.6	65.6	34.5	40.3	45.2	49.9	55.7	58.4	62.0	65.8	69.8	38.2	43.9	48.9	53.6	58.5	64.4	67.0	70.4	74.1	86.6	85.6	85.0	84.4	83.8	83.2	82.6	82.0	81.4	25.0	25.0	25.0	25.0	
	25.1	15.8	7.2	-2.5	-11.4	-19.3	-27.0	-34.6	-42.1	33.0	23.8	14.9	6.5	-3.7	-13.0	-21.1	-28.9	-36.6	41.0	31.7	22.7	14.4	5.6	-5.0	-14.5	-22.9	-30.8	3.8	0.0	-1.2	-2.5	-3.7	-5.0	-6.2	-7.5	-8.7	0.0	0.0	0.0	0.0	
	10.6	12.2	16.9	22.2	25.0	29.0	33.1	37.4	41.6	16.6	18.3	23.2	27.8	33.3	35.7	39.4	43.4	47.6	22.5	24.4	29.4	33.9	38.7	44.5	46.6	50.0	53.9	-5.4	0.0	11.1	22.2	33.3	44.5	55.6	66.7	77.8	0.0	0.0	0.0	0.0	
12	30.9	36.6	42.4	47.5	50.9	54.9	58.9	62.9	66.9	34.5	40.3	46.0	50.9	56.3	59.3	63.1	67.0	71.0	38.2	43.9	49.6	54.6	59.3	65.0	67.8	71.4	75.2	78.1	77.2	76.3	75.6	75.0	74.4	73.8	73.2	72.6	30.0	30.0	30.0	30.0	
	26.2	17.1	7.9	-1.2	-9.6	-17.3	-24.9	-32.4	-40.0	34.2	25.1	15.8	7.2	-2.5	-11.4	-19.3	-27.0	-34.6	42.2	33.0	23.8	14.9	6.5	-3.7	-13.0	-21.1	-28.9	7.5	3.8	0.0	-1.2	-2.5	-3.7	-5.0	-6.2	-7.5	0.0	0.0	0.0	0.0	
	3.8	4.8	6.1	11.1	14.5	18.7	22.9	27.2	31.4	9.6	10.6	12.2	16.9	22.2	25.0	29.0	33.1	37.4	15.4	16.6	18.3	23.2	27.8	33.3	35.7	39.4	43.4	-10.8	-5.4	0.0	11.1	22.2	33.3	44.5	55.6	66.7	0.0	0.0	0.0	0.0	
13	30.9	36.7	42.4	48.1	52.1	56.1	60.1	64.1	68.0	34.6	40.3	46.0	51.8	56.9	60.3	64.2	68.2	72.2	38.2	43.9	49.7	55.4	60.2	65.7	68.6	72.4	76.4	69.7	68.7	67.8	66.9	66.3	65.7	65.0	64.4	63.8	35.0	35.0	35.0	35.0	
	27.4	18.2	9.1	0.0	-7.6	-15.2	-22.8	-30.4	-38.0	35.3	26.2	17.1	7.9	-1.2	-9.6	-17.3	-24.9	-32.4	43.3	34.2	25.1	15.8	7.2	-2.5	-11.4	-19.3	-27.0	11.3	7.5	3.8	0.0	-1.2	-2.5	-3.7	-5.0	-6.2	0.0	0.0	0.0	0.0	
	-3.1	-2.0	-1.0	0.0	4.2	8.5	12.7	16.9	21.1	2.9	3.8	4.8	6.1	11.1	14.5	18.7	22.9	27.2	8.6	9.6	10.6	12.2	16.9	22.2	25.0	29.0	33.1	-16.2	-10.8	-5.4	0.0	11.1	22.2	33.3	44.5	55.6	0.0	0.0	0.0	0.0	
14	31.0	36.9	42.9	49.1	53.0	57.2	61.3	65.4	69.4	34.6	40.3	46.0	51.8	57.5	61.5	65.5	69.5	73.4	38.2	43.9	49.7	55.4	61.1	66.3	69.7	73.6	77.6	61.2	60.3	59.4	58.4	57.5	56.9	56.3	55.7	55.1	40.0	40.0	40.0	40.0	
	29.4	20.6	12.0	3.8	-3.7	-10.7	-17.8	-25.0	-32.3	36.5	27.4	18.2	9.1	0.0	-7.6	-15.2	-22.8	-30.4	44.4	35.3	26.2	17.1	7.9	-1.2	-9.6	-17.3	-24.9	15.1	11.3	7.5	3.8	0.0	-1.2	-2.5	-3.7	-5.0	0.0	0.0	0.0	0.0	
	-9.9	-8.6	-7.1	-5.4	-5.5	-2.6	0.2	3.4	6.9	-4.1	-3.1	-2.0	-1.0	0.0	4.2	8.5	12.7	16.9	1.9	2.9	3.8	4.8	6.1	11.1	14.5	18.7	22.9	-21.6	-16.2	-10.8	-5.4	0.0	11.1	22.2	33.3	44.5	0.0	0.0	0.0	0.0	
15	31.6	37.6	43.8	50.0	54.0	58.0	62.0	66.2	70.3	34.5	40.4	46.3	52.3	58.4	62.4	66.5	70.7	74.7	38.2	44.0	49.7	55.4	61.1	66.9	70.9	74.8	78.8	52.8	51.9	50.9	50.0	49.1	48.1	47.5	46.9	46.3	45.0	45.0	45.0	45.0	
	32.6	24.0	15.7	7.5	0.1	-7.3	-14.6	-21.5	-28.5	38.3	29.4	20.6	12.0	3.8	-3.7	-10.7	-17.8	-25.0	45.6	36.5	27.4	18.2	9.1	0.0	-7.6	-15.2	-22.8	18.9	15.1	11.3	7.5	3.8	0.0	-1.2	-2.5	-3.7	0.0	0.0	0.0	0.0	
	-15.8	-14.3	-12.6	-10.8	-10.9	-10.9	-7.6	-5.2	-2.5	-11.1	-9.9	-8.6	-7.1	-5.4	-5.5	-2.6	0.2	3.4	-5.1	-4.1	-3.1	-2.0	-1.0	0.0	4.2	8.5	12.7	-27.0	-21.6	-16.2	-10.8	-5.4	0.0	11.1	22.2	33.3	0.0	0.0	0.0	0.0	
16	32.4	38.5	44.7	50.9	55.1	58.7	62.9	66.9	71.1	35.0	41.0	47.0	53.1	59.4	63.4	67.3	71.4	75.6	38.1	43.9	49.8	55.6	61.6	67.8	71.8	75.9	80.0	44.4	43.4	42.5	41.6	40.6	39.7	38.8	38.1	37.5	50.0	50.0	50.0	50.0	
	36.0	27.6	19.4	11.3	3.5	-3.2	-11.0	-18.4	-25.3	41.2	32.6	24.0	15.7	7.5	0.1	-7.3	-14.6	-21.5	47.3	38.3	29.4	20.6	12.0	3.8	-3.7	-10.7	-17.8	22.6	18.9	15.1	11.3	7.5	3.8	0.0	-1.2	-2.5	0.0	0.0	0.0	0.0	
	-21.4	-19.8	-18.0	-16.2	-16.3	-16.3	-16.4	-12.8	-10.2	-17.2	-15.8	-14.3	-12.6	-10.8	-10.9	-10.9	-7.6	-5.2	-12.2	-11.1	-9.9	-8.6	-7.1	-5.4	-5.5	-2.6	0.2	-32.4	-27.0	-21.6	-16.2	-10.8	-5.4	0.0	11.1	22.2	0.0	0.0	0.0	0.0	
17	33.3	39.4	45.6	51.9	56.2	59.8	63.4	67.8	71.8	35.7	41.8	47.9	54.1	60.3	64.5	68.0	72.3	76.3	38.5	44.4	50.4	56.4	62.5	68.7	72.7	76.7	80.8	35.9	35.0	34.0	33.1	32.2	31.2	30.3	29.4	28.8	55.0	55.0	55.0	55.0	
	39.6	31.4	23.2	15.1	6.9	0.2	-6.5	-14.7	-22.2	44.5	36.0	27.6	19.4	11.3	3.5	-3.2	-11.0	-18.4	50.0	41.2	32.6	24.0	15.7	7.5	0.1	-7.3	-14.6	26.4	22.6	18.9	15.1	11.3	7.5	3.8	0.0	-1.2	0.0	0.0	0.0	0.0	
	-26.9	-25.2	-23.4	-21.6	-21.6	-21.7	-21.8	-21.8	-18.0	-22.9	-21.4	-19.8	-18.0	-16.2	-16.3	-16.3	-16.4	-12.8	-18.5	-17.2	-15.8	-14.3	-12.6	-10.8	-10.9	-10.9	-7.6	-37.8	-32.4	-27.0	-21.6	-16.2	-10.8	-5.4	0.0	11.1	0.0	0.0	0.0	0.0	
18	34.1	40.3	46.5	52.8	57.3	61.0	64.5	68.2	72.7	36.5	42.6	48.8	55.0	61.2	65.6	69.2	72.8	77.2	39.1	45.1	51.2	57.3	63.4	69.7	73.9	77.4	81.6	27.5	26.5	25.6	24.7	23.7	22.8	21.9	20.9	20.0	60.0	60.0	60.0	60.0	
	43.3	35.1	26.9	18.9	10.5	3.5	-3.0	-10.0	-18.4	48.0	39.6	31.4	23.2	15.1	6.9	0.2	-6.5	-14.7	53.1	44.5	36.0	27.6	19.4	11.3	3.5	-3.2	-11.0	30.2	26.4	22.6	18.9	15.1	11.3	7.5	3.8	0.0	0.0	0.0	0.0	0.0	
	-32.4	-30.7	-28.8	-27.0	-27.0	-27.1	-27.2	-27.2	-27.3	-28.5	-26.9	-25.2	-23.4	-21.6	-21.6	-21.7	-21.8	-21.8	-24.4	-22.9	-21.4	-19.8	-18.0	-16.2	-16.3	-16.3	-16.4	-43.1	-37.8	-32.4	-27.0	-21.6	-16.2	-10.8	-5.4	0.0	0.0	0.0	0.0	0.0	
19	41.8	46.9	51.7	56.3	61.1	66.4	72.6	74.9	78.0	45.4	50.6	55.4	60.0	64.7	69.6	75.1	81.4	83.6	49.0	54.2	59.1	63.8	68.4	73.2	78.2	83.8	90.1	95.0	89.6	84.2	78.8	73.4	68.0	62.7	57.3	51.9	65.0	65.0	65.0	65.0	
	47.5	38.3	29.8	21.6	13.0	3.6	-7.5	-17.3	-26.1	55.5	46.2	37.6	29.3	21.0	12.2	2.5	-8.7	-18.7	63.4	54.0	45.3	37.0	28.8	20.3	11.3	1.4	-10.0	0.0	-7.6	-15.2	-22.8	-30.4	-38.0	-45.7	-53.3	-60.9	0.0	0.0	0.0	0.0	
	36.7	41.7	46.3	50.8	55.5	60.6	66.7	68.5	71.5	42.8	47.9	52.5	57.1	61.6	66.4	71.7	77.8	79.5	48.9	54.0	58.7	63.3	67.8	72.4	77.3	82.7	88.9	0.0	4.2	8.5	12.7	16.9	21.1	25.4	29.6	33.8	0.0	0.0	0.0	0.0	
20	41.8	47.5	52.6	57.3	62.0	67.1	73.2	75.6	78.9	45.4	51.1	56.3	61.1	65.7	70.5	75.8	82.0	84.3	49.0	54.8	60.0	64.8	69.4	74.1	79.0	84.4	90.7	89.3	85.6	80.2	74.8	69.5	64.1	58.7	53.3	47.9	70.0	70.0	70.0	70.0	
	48.9	39.6	30.5	22.1	13.8	4.7	-6.2	-15.9	-24.5	56.8	47.5	38.3	29.8	21.6	13.0	3.6	-7.5	-17.3	64.8	55.5	46.2	37.6	29.3	21.0	12.2	2.5	-8.7	9.1	0.0	-7.6	-15.2	-22.8	-30.4	-38.0	-45.7	-53.3	0.0	0.0	0.0	0.0	
	28.6	30.6	35.5	40.1	44.7	49.6	55.6	57.5	60.7	34.6	36.7	41.7	46.3	50.8	55.5	60.6	66.7	68.5	40.7	42.8	47.9	52.5	57.1	61.6	66.4	71.7	77.8	-1.0	0.0	4.2	8.5	12.7	16.9	21.1	25.4	29.6	0.0	0.0	0.0	0.0	
21	41.8	47.5	53.3	58.3	63.0	67.9	73.8	76.3	79.8	45.4	51.2	56.9	62.0	66.7	71.4	76.5	82.6	85.0	49.1	54.8	60.5	65.7	70.4	75.1	79.9	85.1	91.3	83.5	79.9	76.3	70.9	65.5	60.1	54.7	49.3	43.9	75.0	75.0	75.0	75.0	
	50.1	41.0	31.7	22.7	14.4	5.6	-5.0	-14.5	-22.9	58.1	48.9	39.6	30.5	22.1	13.8	4.7	-6.2	-15.9	66.0	56.8	47.5	38.3	29.8	21.6	13.0	3.6	-7.5	18.2	9.1	0.0	-7.6	-15.2	-22.8	-30.4	-38.0	-45.7	0.0	0.0	0.0	0.0	
	21.2	22.5	24.4	29.4	33.9	38.7	44.5	46.6	50.0	27.2	28.6	30.6	35.5	40.1	44.7	49.6	55.6	57.5	33.1	34.6	36.7	41.7	46.3	50.8	55.5	60.6	66.7	-2.0	-1.0	0.0	4.2	8.5	12.7	16.9	21.1	25.4	0.0	0.0	0.0	0.0	
22	41.8	47.6	53.3	59.0	64.0	68.7	74.4	77.1	80.7	45.4	51.2	56.9	62.6	67.7	72.3	77.2	83.2	85.7	49.1	54.8	60.5	66.3	71.4	76.1	80.7	85.8	91.9	77.8	74.2	70.5	66.9	61.5	56.1	50.7	45.3	39.9	80.0	80.0	80.0	80.0	
	51.3	42.2	33.0	23.8	14.9	6.5	-3.7	-13.0	-21.1	59.3	50.1	41.0	31.7	22.7	14.4	5.6	-5.0	-14.5	67.2	58.1	48.9

Input and output:
Colorimetric Printer Reflective System ORS18_95aM
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.97

ORS18_95aM; adapted (a) CIELAB data

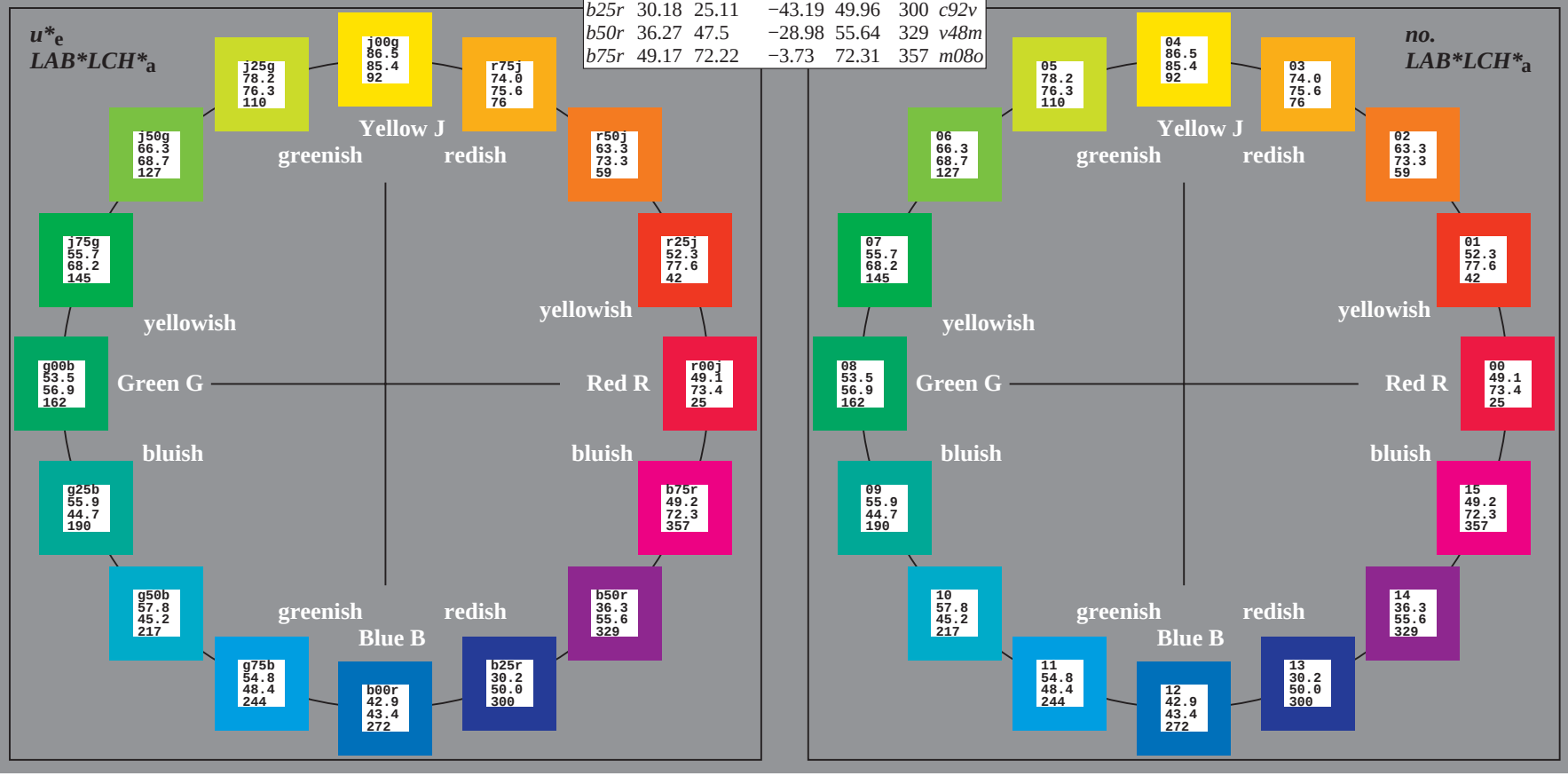
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

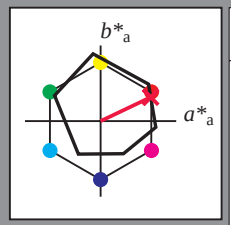
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

$u^*_e = r00j$
$LAB^*LCH^*_a$

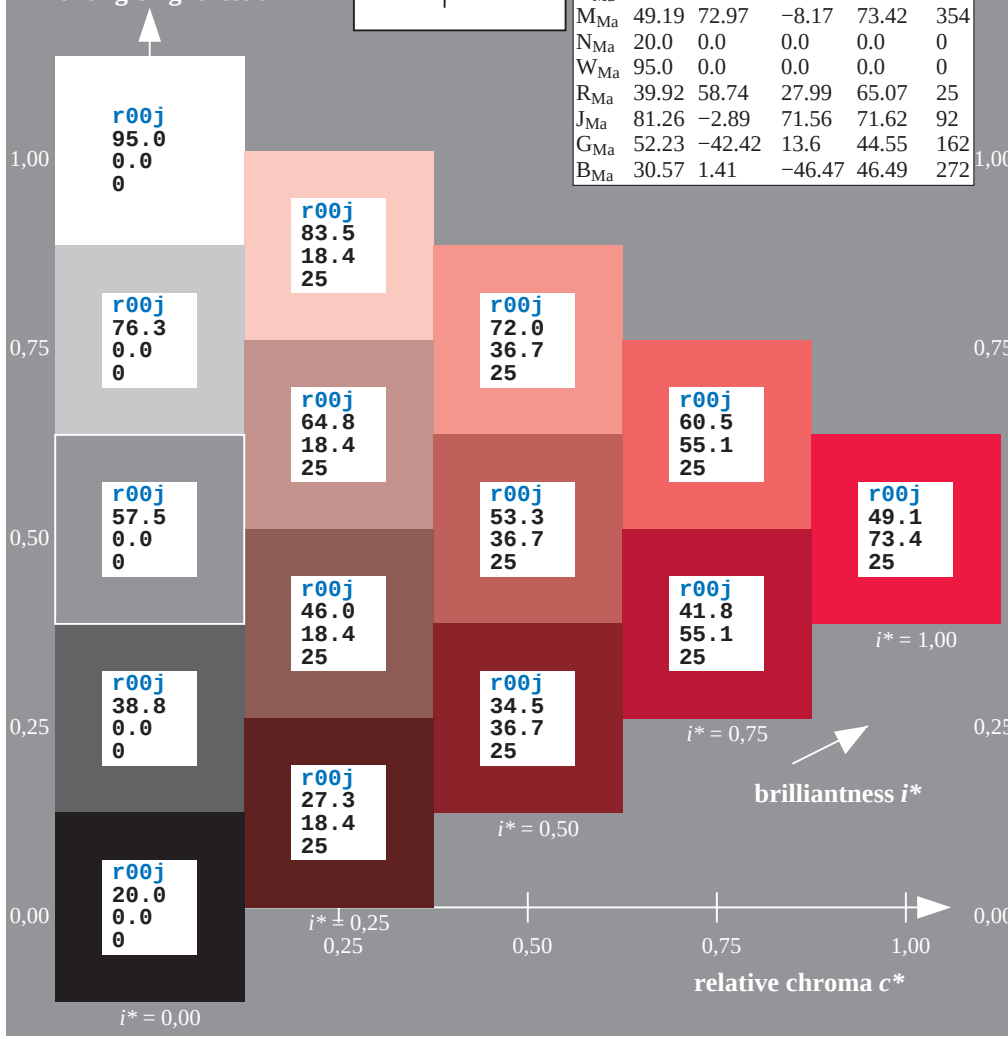
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r00j$ $u^*_d = m72o$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*

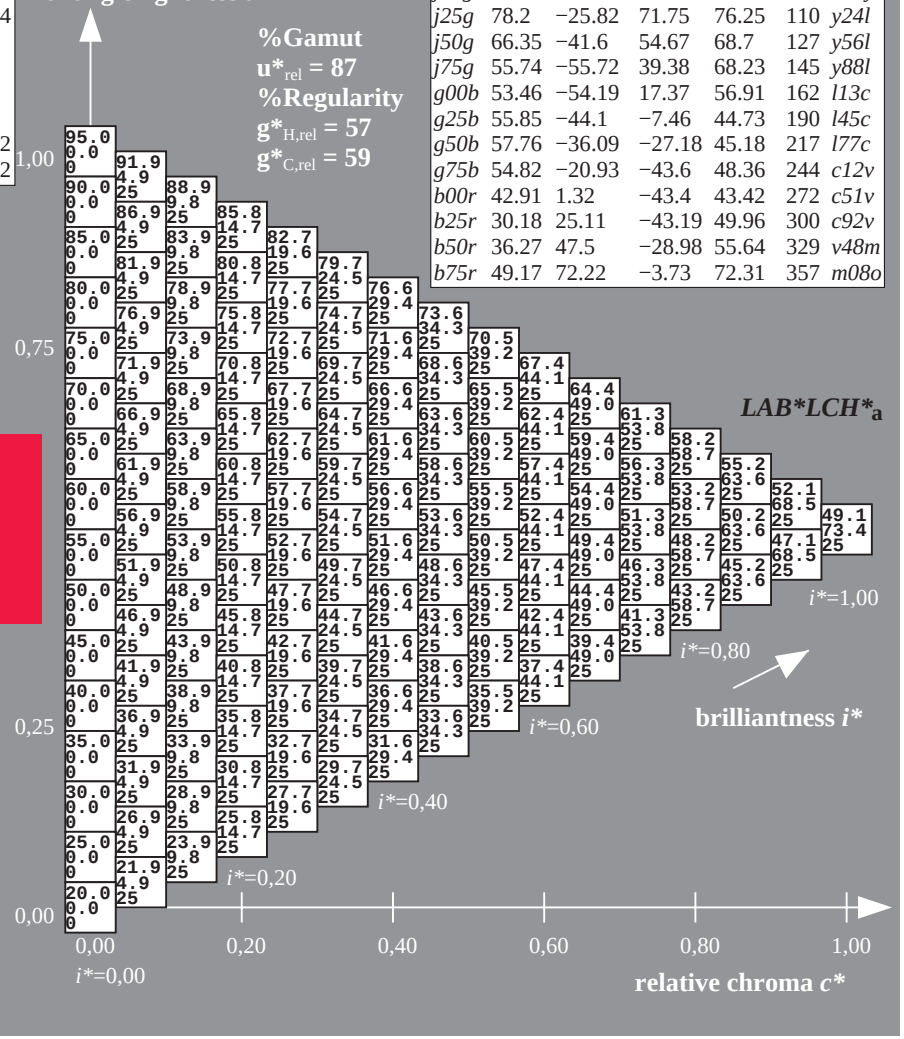


ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 66 32
*LAB*LCH**$_{Ma}$: 49 73 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.28
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*





Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

data for any colour:

*lab*tch** **and** *lab*icu**

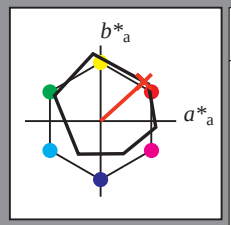
Hue texts:

$u^*_e = r25j$ $u^*_d = o08y$

contrast reduction factor:

$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 52 57 52

*LAB*LCH**$_{Ma}$: 52 78 42

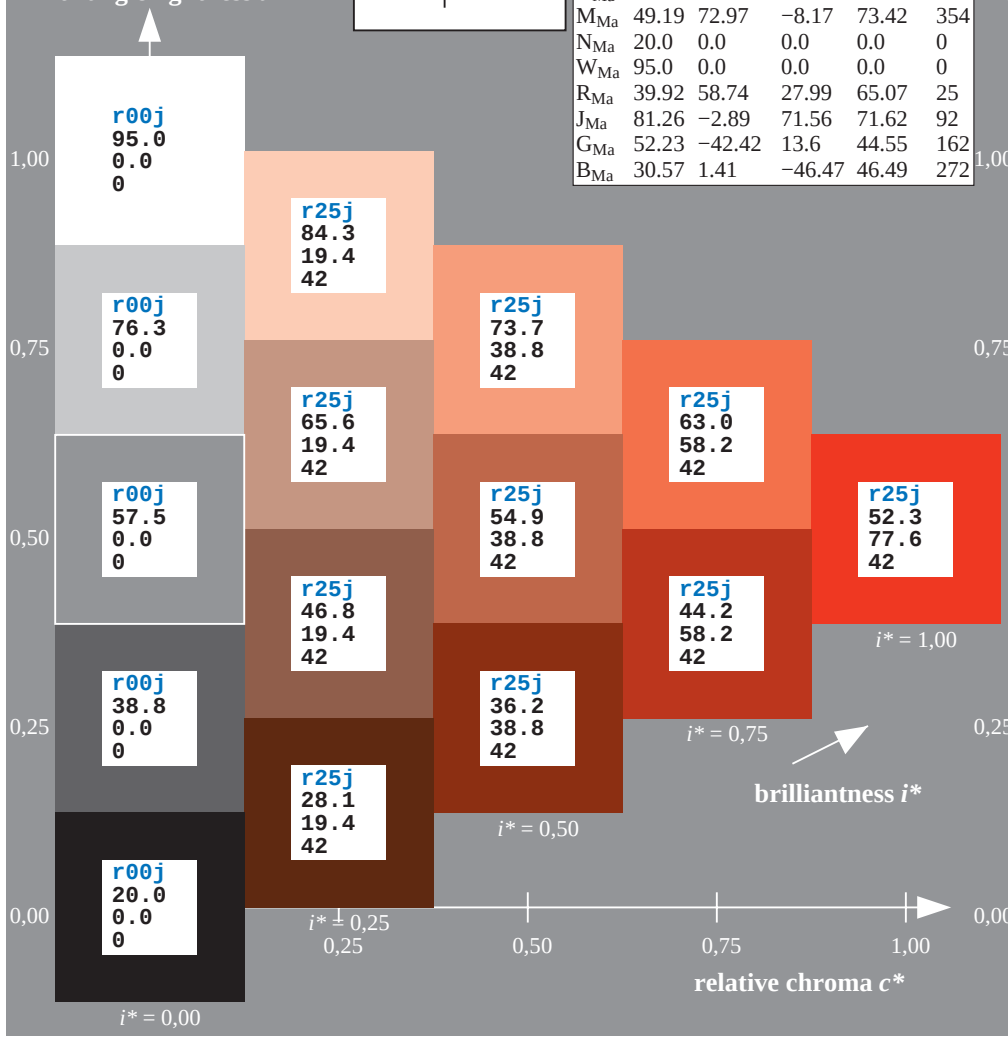
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0

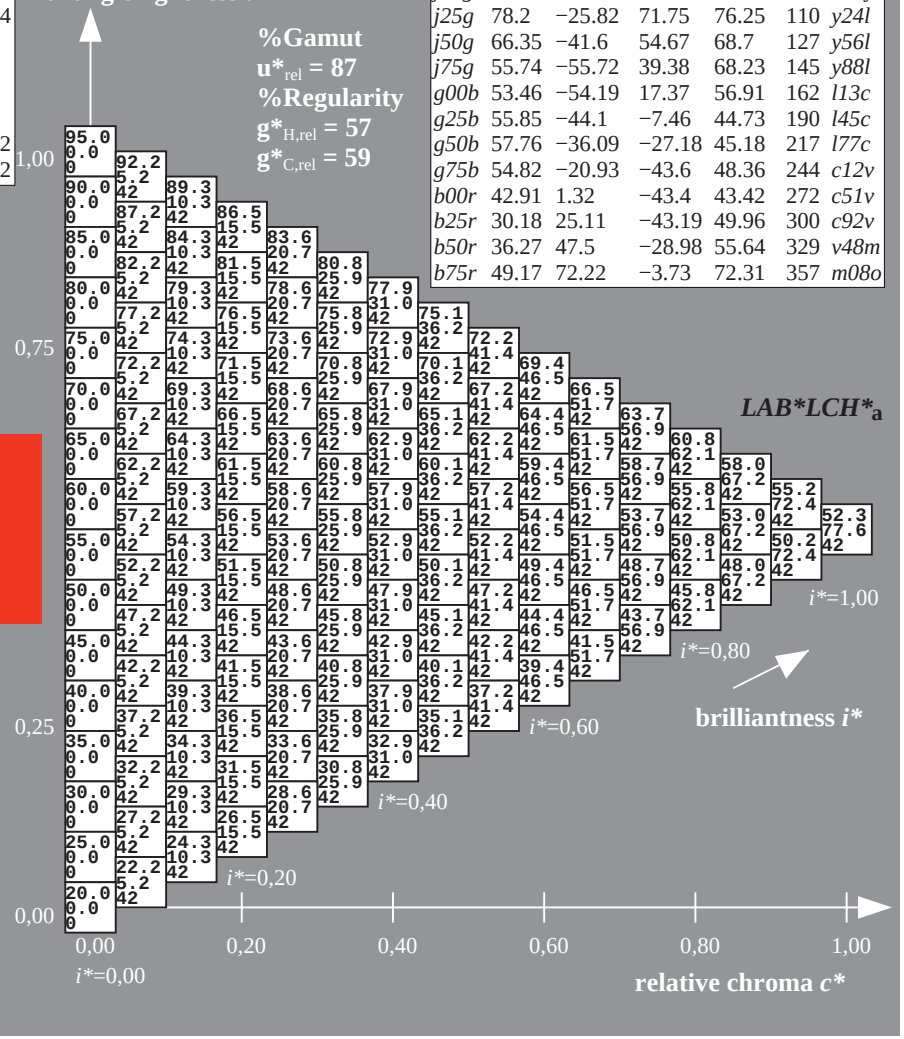
*lab*olv**$_{Ma}$: 1.0 0.08 0.0

$u^*_e = r25j$

*LAB*LCH**$_a$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

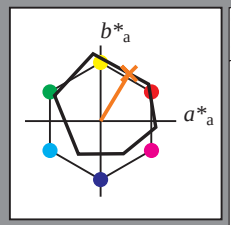




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

$u^*_e = r50j$
$LAB^*LCH^*_a$

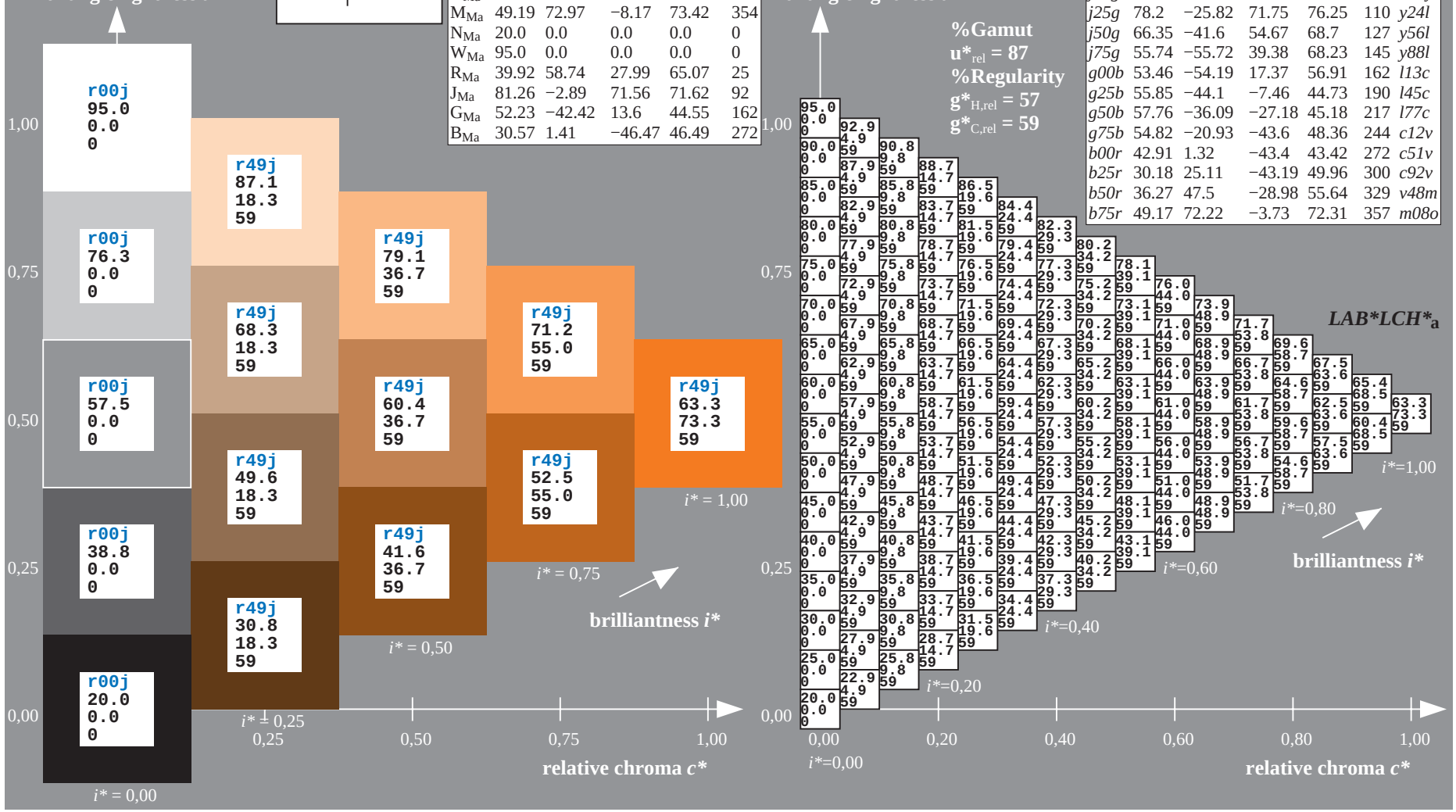
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r50j$ $u^*_d = o36y$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 63 38 63**
***LAB*LCH*$_{Ma}$*: 63 73 58**
***lab*rgb*$_{Ma}$*: 1.0 0.5 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.36 0.0**
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

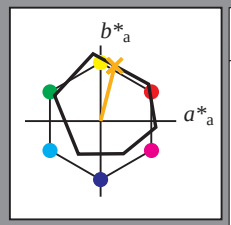
$u^*_e = r75j$
$LAB^*LCH^*_a$

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

Hue texts:
$u^*_e = r75j$ $u^*_d = o64y$

contrast reduction factor:
$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

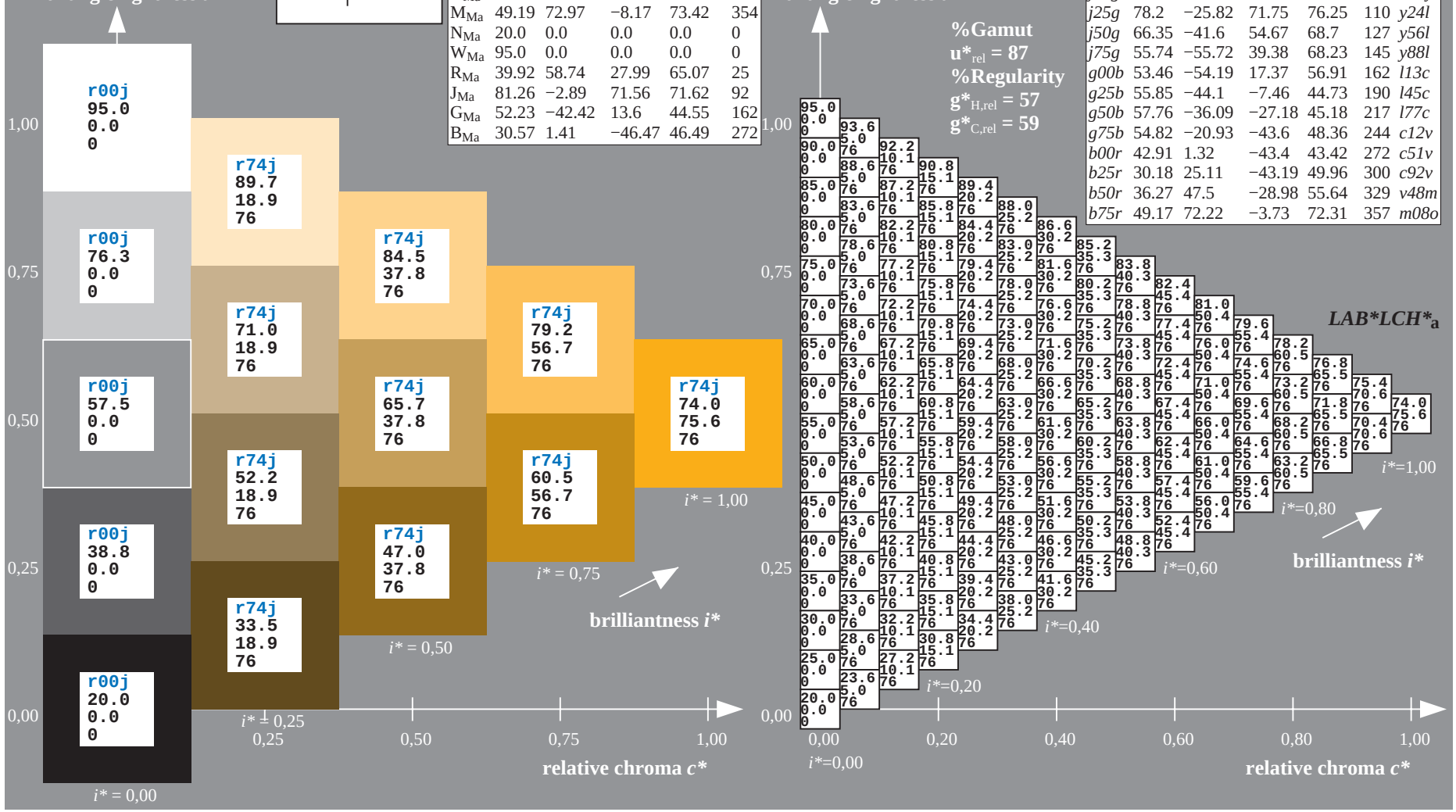
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 74 19 73**
***LAB*LCH*Ma*: 74 76 75**
***lab*rgb*Ma*: 1.0 0.75 0.0**
***lab*olv*Ma*: 1.0 0.65 0.0**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

*lab*tch** **and** *lab*icu**

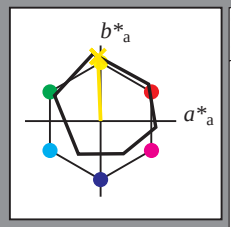
Hue texts:

u^*_e = *j00g* u^*_d = *o92y*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 86 −3 85**

***LAB*LCH*Ma*: 86 85 92**

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

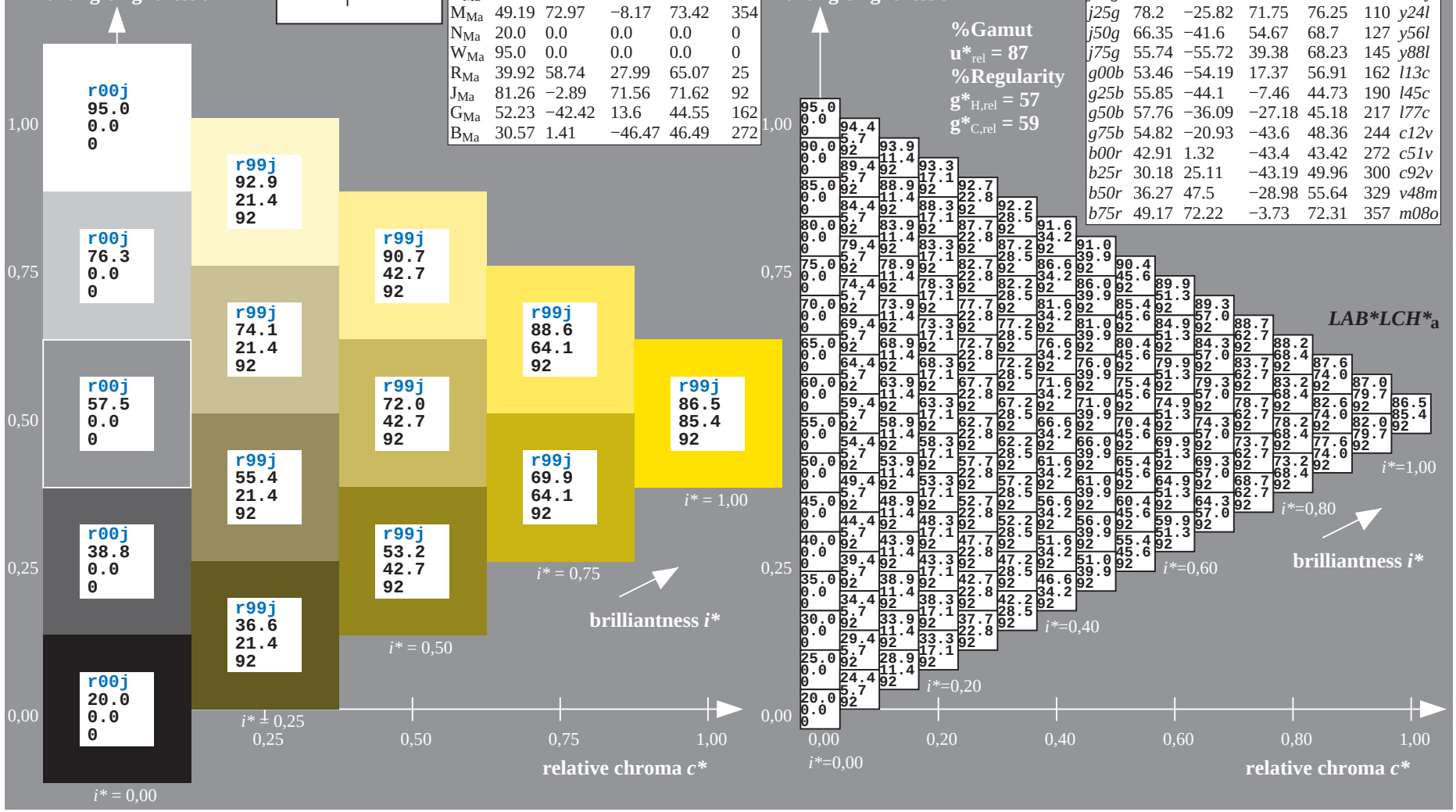
***lab*olv*Ma*: 1.0 0.93 0.0**

triangle lightness *t**

u^*_e = *j00g*

LAB*LCH*a

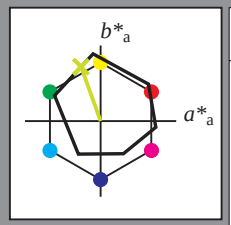
ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

$u^*_e = j25g$
$LAB^*LCH^*_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j25g$ $u^*_d = y24l$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

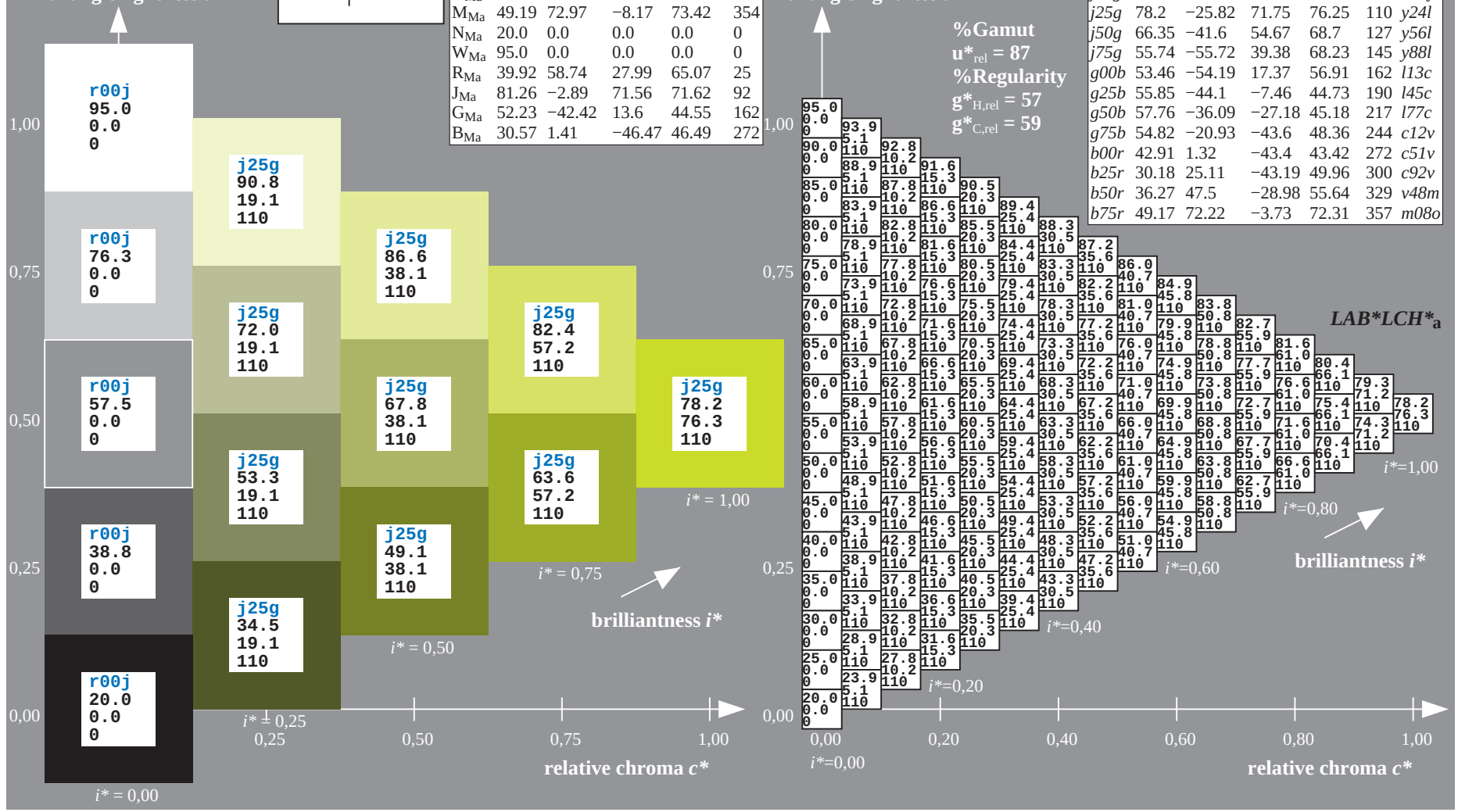
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 78 −26 72
$LAB^*LCH^*_{Ma}$: 78 76 109
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*olv^*_{Ma}$: 0.75 1.0 0.0
triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

*lab*tch** and *lab*icu**

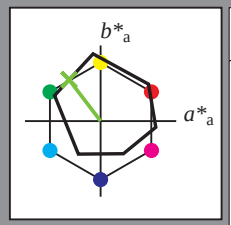
Hue texts:

$u^*_e = j50g$ $u^*_d = y56l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 66 −42 55**

***LAB*LCH*Ma*: 66 69 127**

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

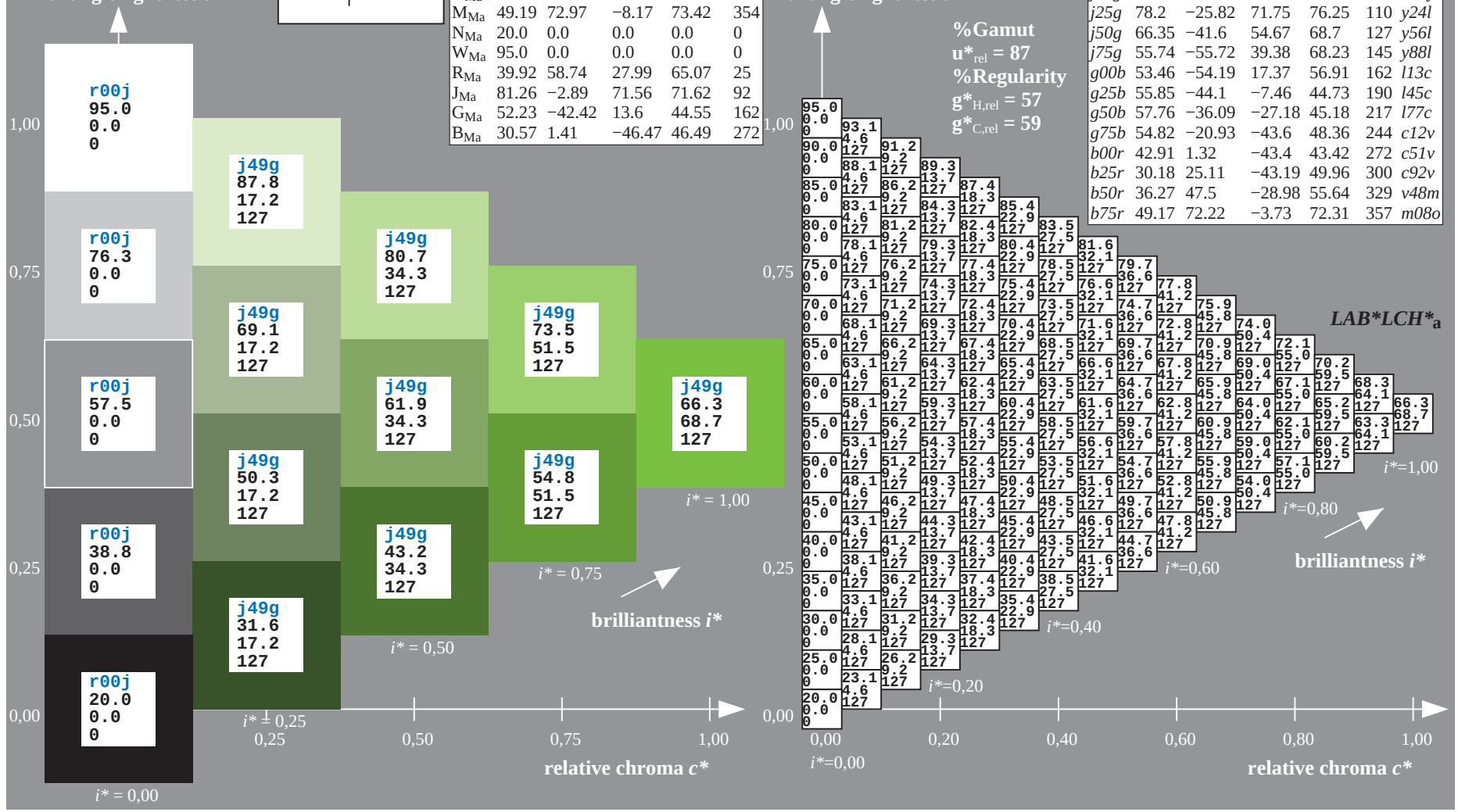
***lab*olv*Ma*: 0.43 1.0 0.0**

triangle lightness *t**

$u^*_e = j50g$

LAB*LCH*a

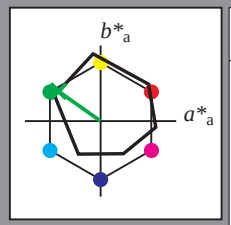
ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

$u^*_e = j75g$
$LAB^*LCH^*_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j75g$ $u^*_d = y88l$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

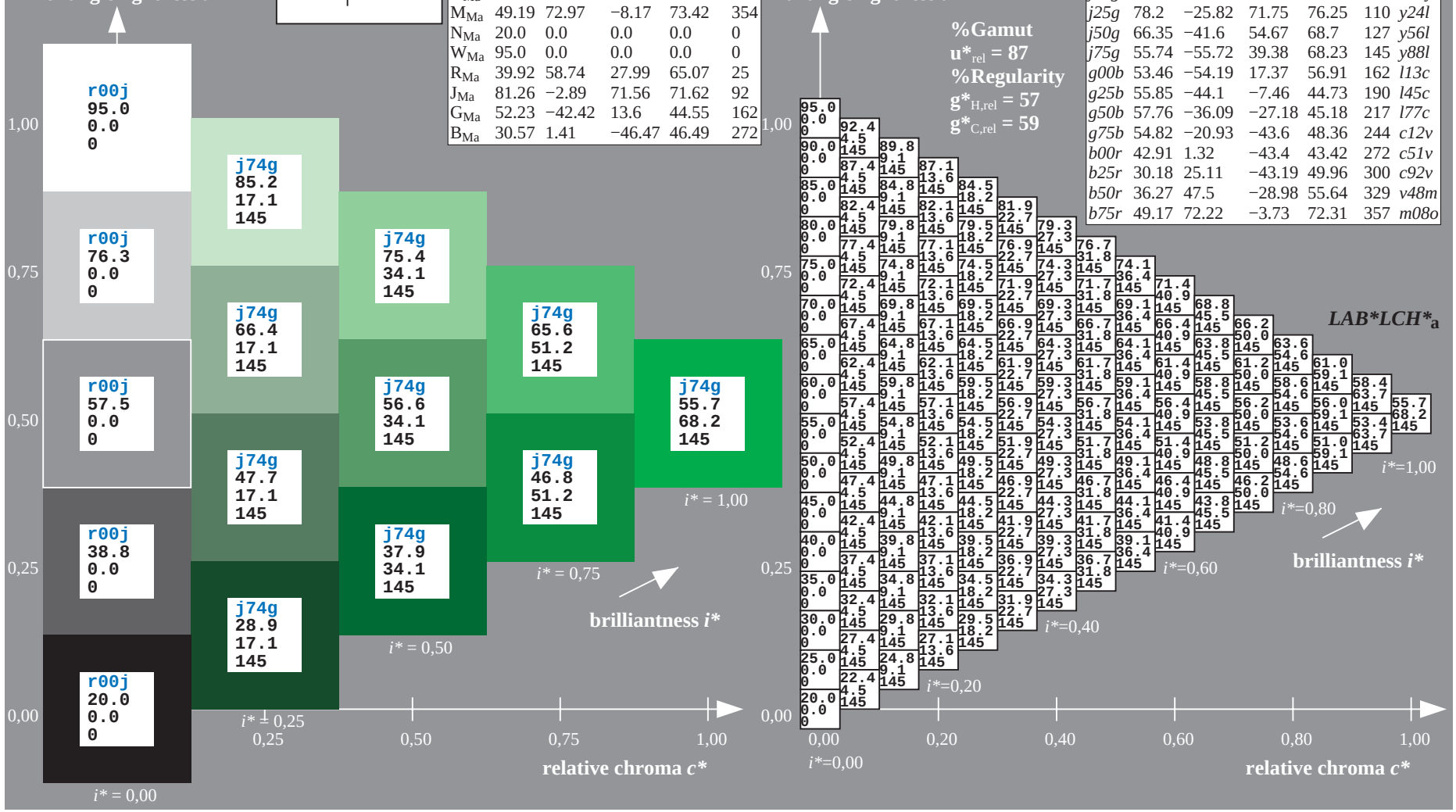
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 56 −56 39**
***LAB*LCH*Ma*: 56 68 144**
***lab*rgb*Ma*: 0.25 1.0 0.0**
***lab*olv*Ma*: 0.11 1.0 0.0**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

triangle lightness *t**

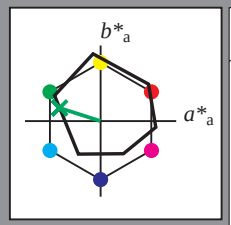
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g00b$ $u^*_d = l13c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

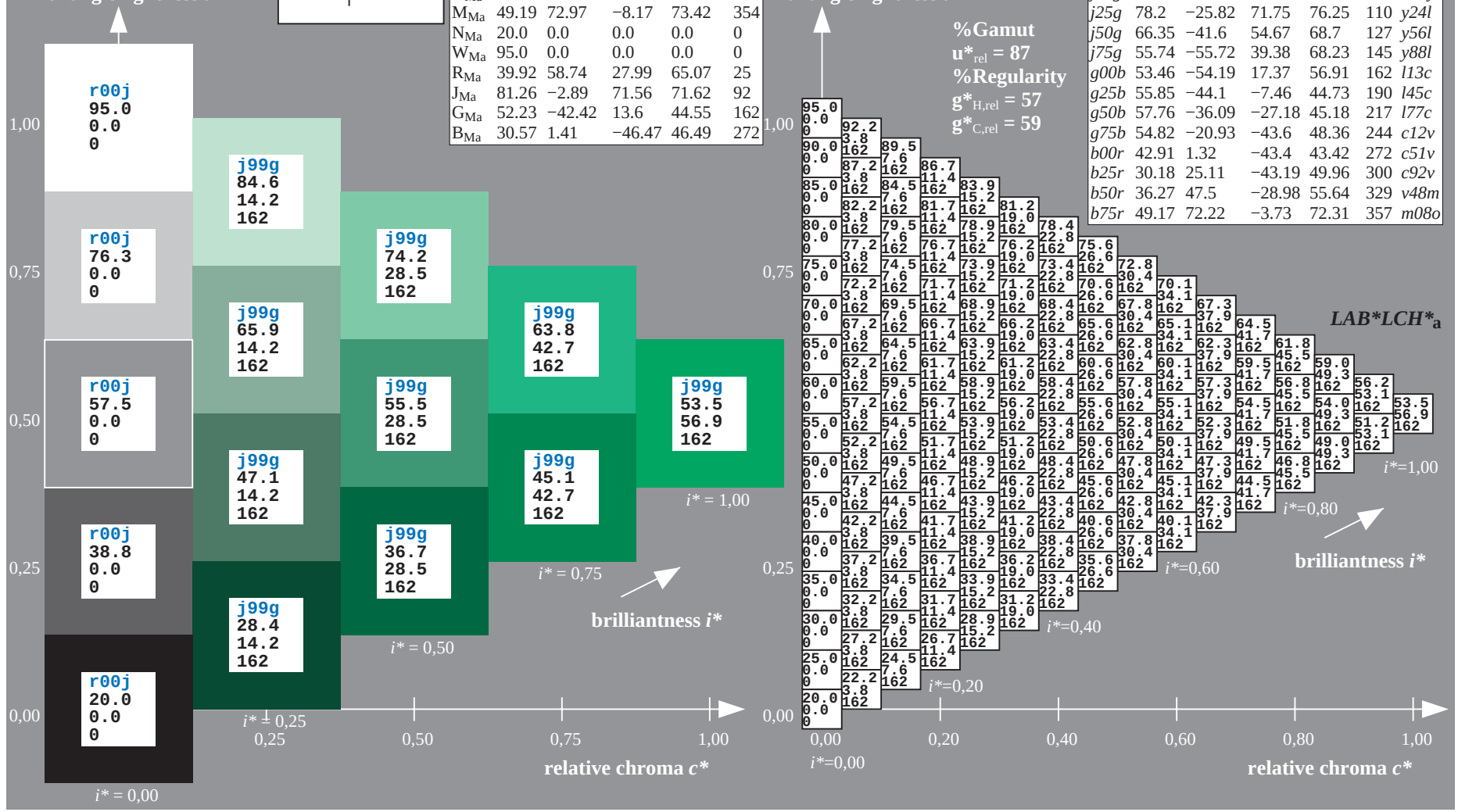
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −54 17
$LAB^*LCH^*_{Ma}$: 53 57 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.13
triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

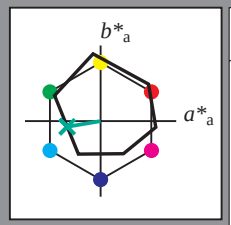
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

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

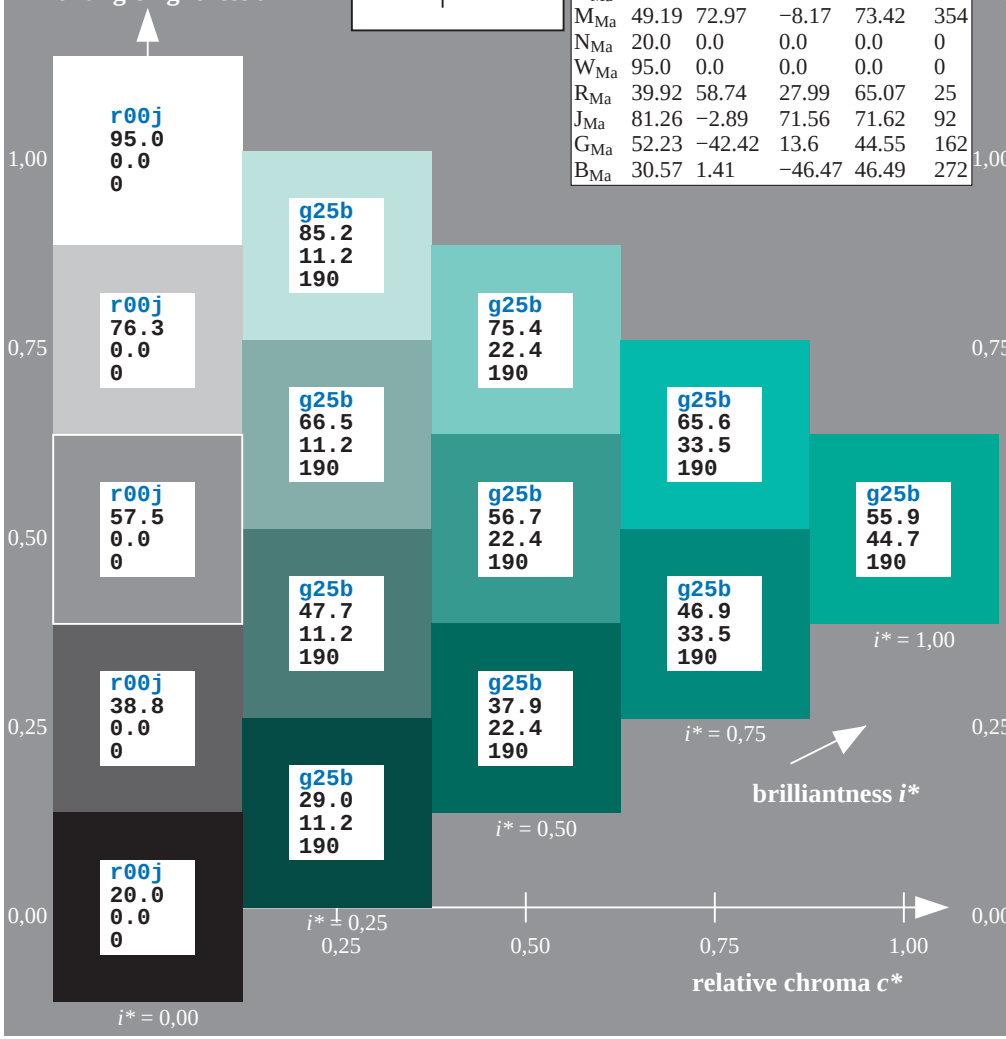
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g25b$ $u^*_d = l45c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**

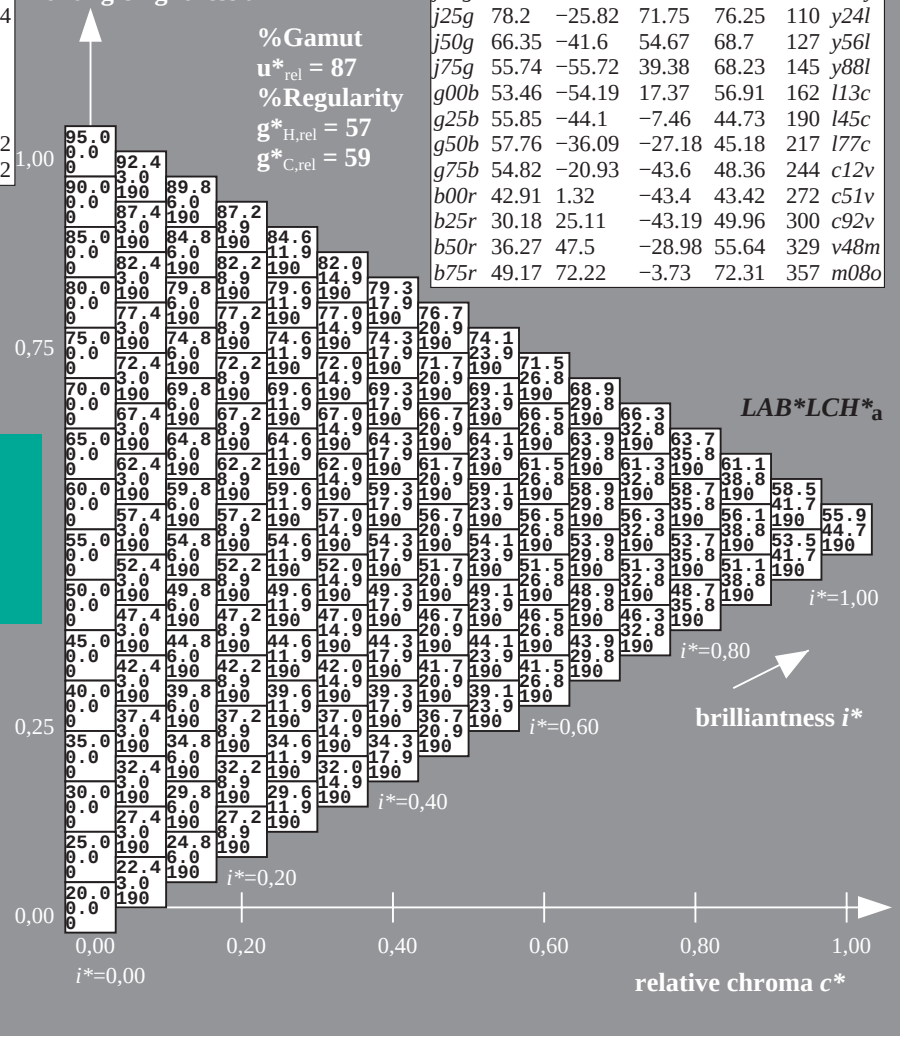


ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 −44 −7
$LAB^*LCH^*_{Ma}$: 56 45 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.45
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

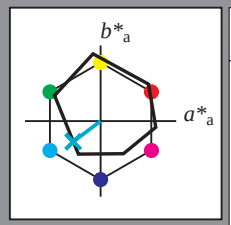




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g50b$ $u^*_d = l77c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



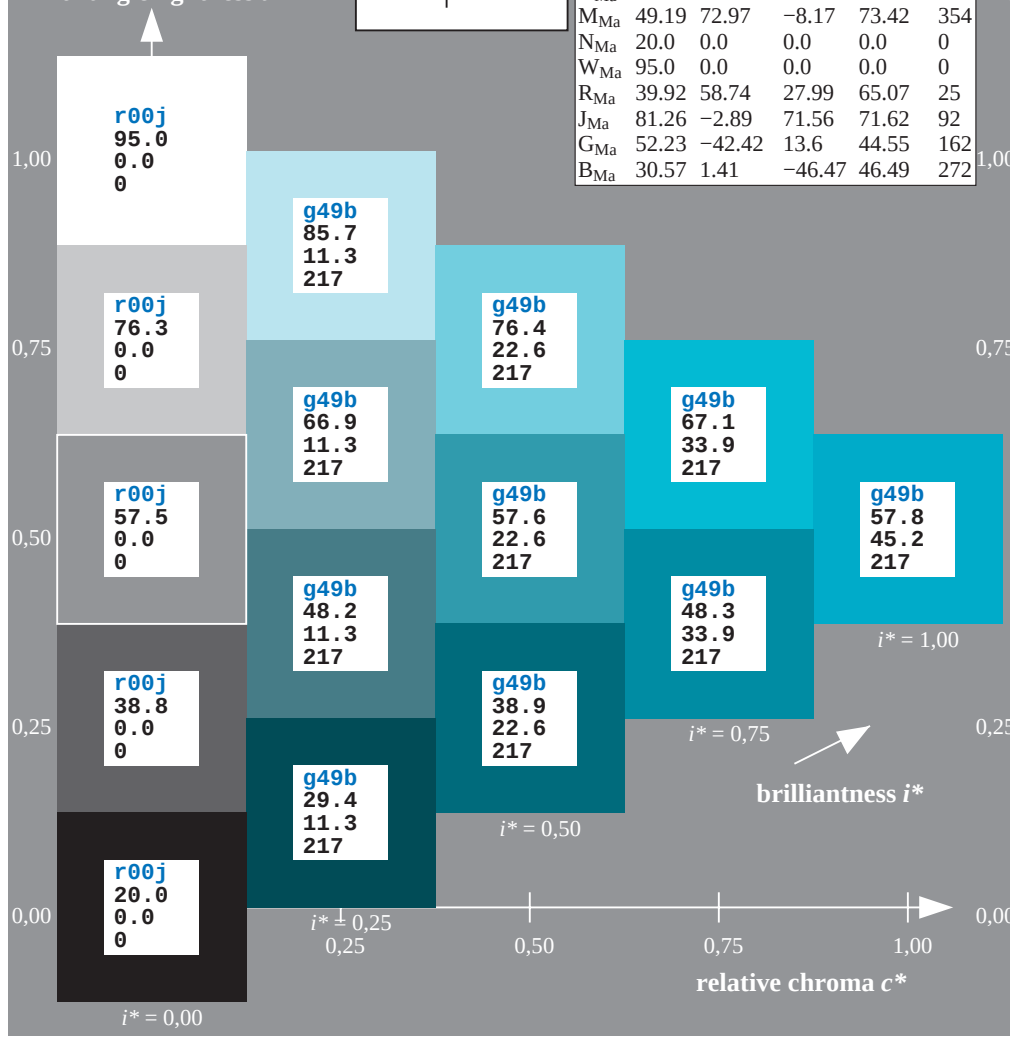
ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

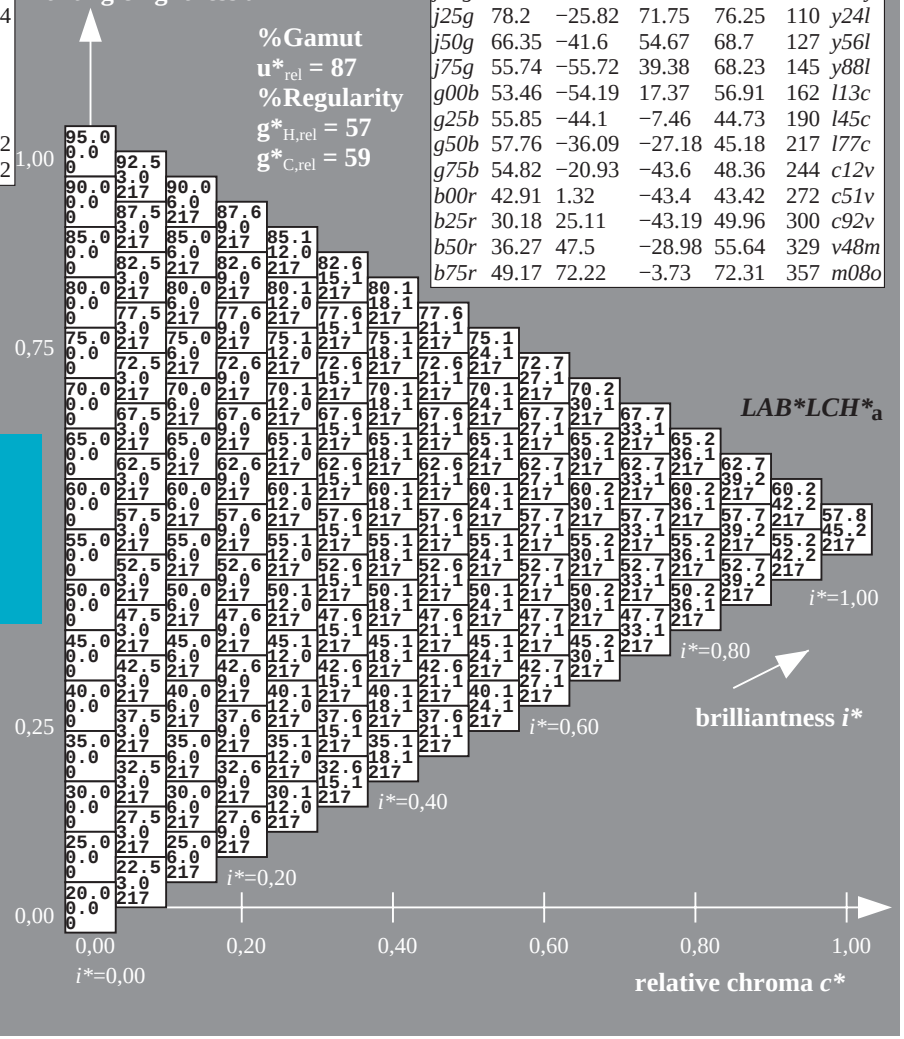
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 58 −36 −27
$LAB^*LCH^*_{Ma}$: 58 45 216
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.78
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



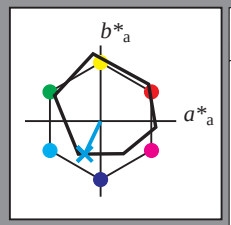
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g75b$ $u^*_d = c12v$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



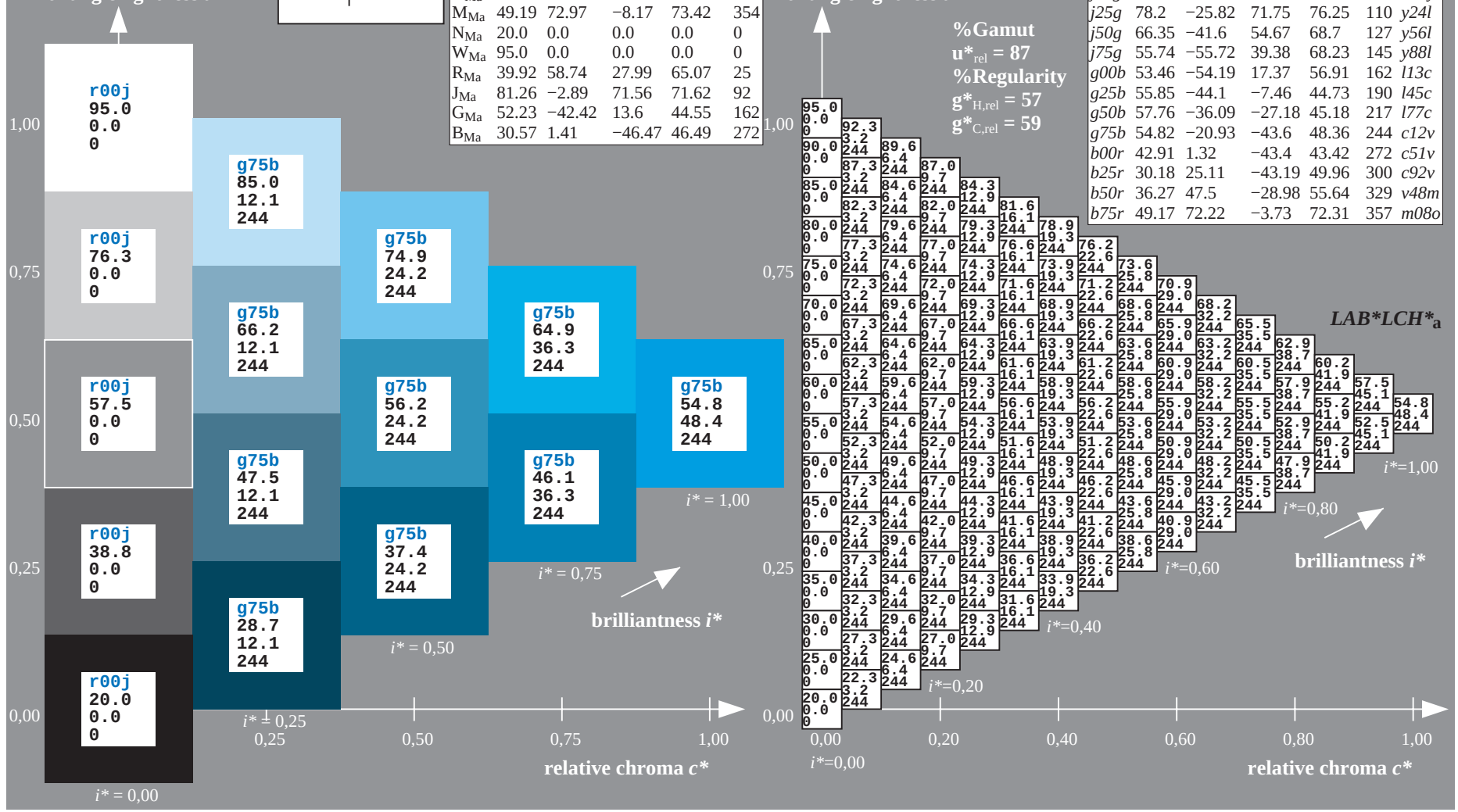
ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −21 −44
$LAB^*LCH^*_{Ma}$: 55 48 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.88 1.0
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data

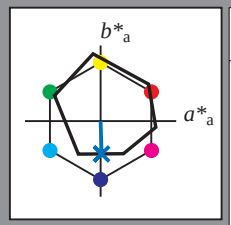
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b00r$ $u^*_d = c51v$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



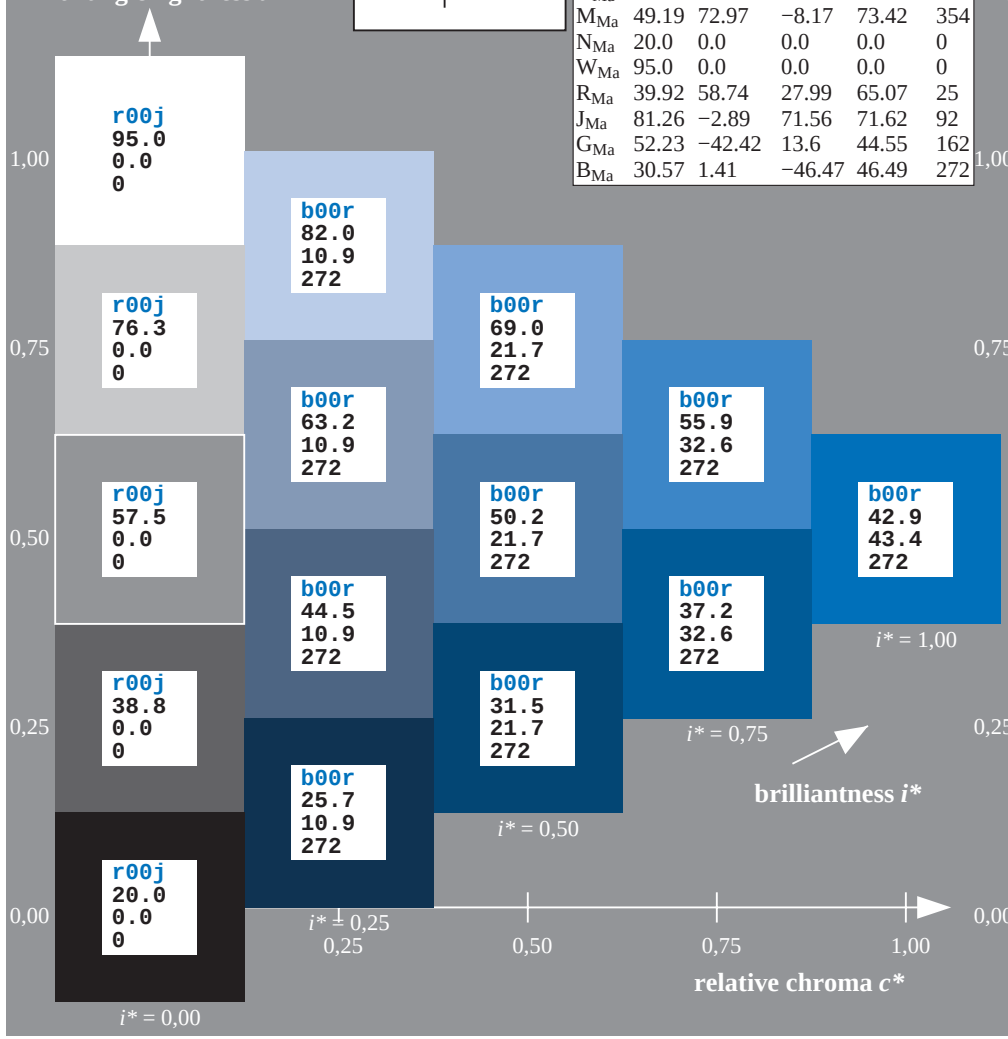
ORS18_95aM; adapted (a) CIELAB data

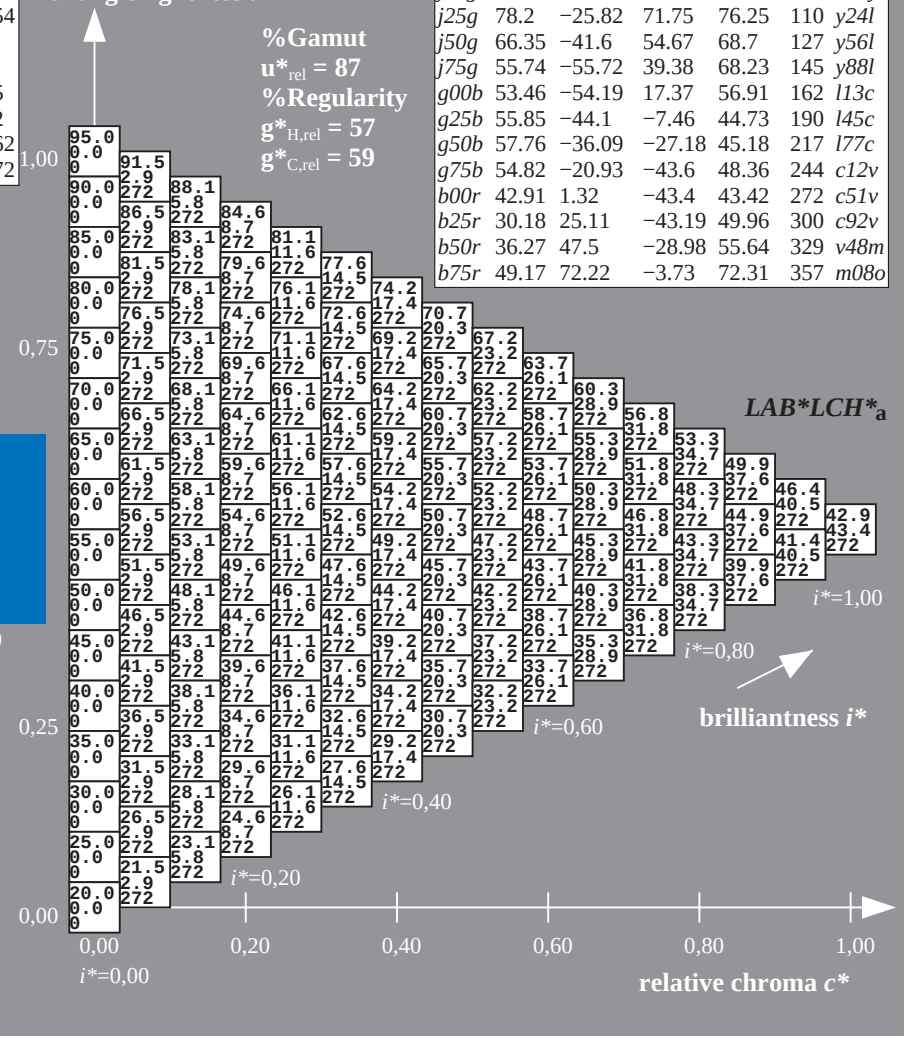
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 43 1 −43
$LAB^*LCH^*_{Ma}$: 43 43 271
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.48 1.0
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*





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

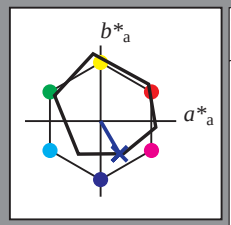
$u^*_e = b25r$
$LAB^*LCH^*_a$

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

Hue texts:
$u^*_e = b25r$ $u^*_d = c92v$

contrast reduction factor:
$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 30 25 −43

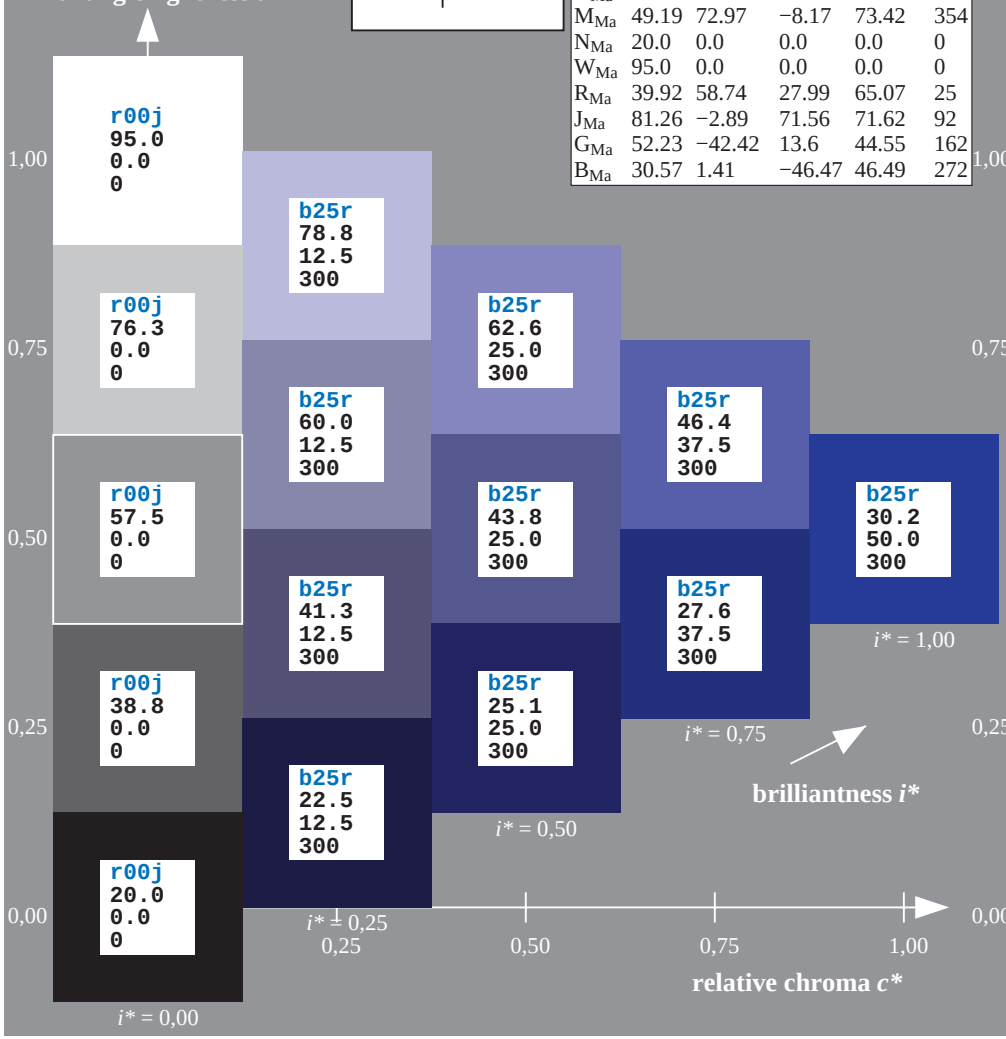
$LAB^*LCH^*_{Ma}$: 30 50 300

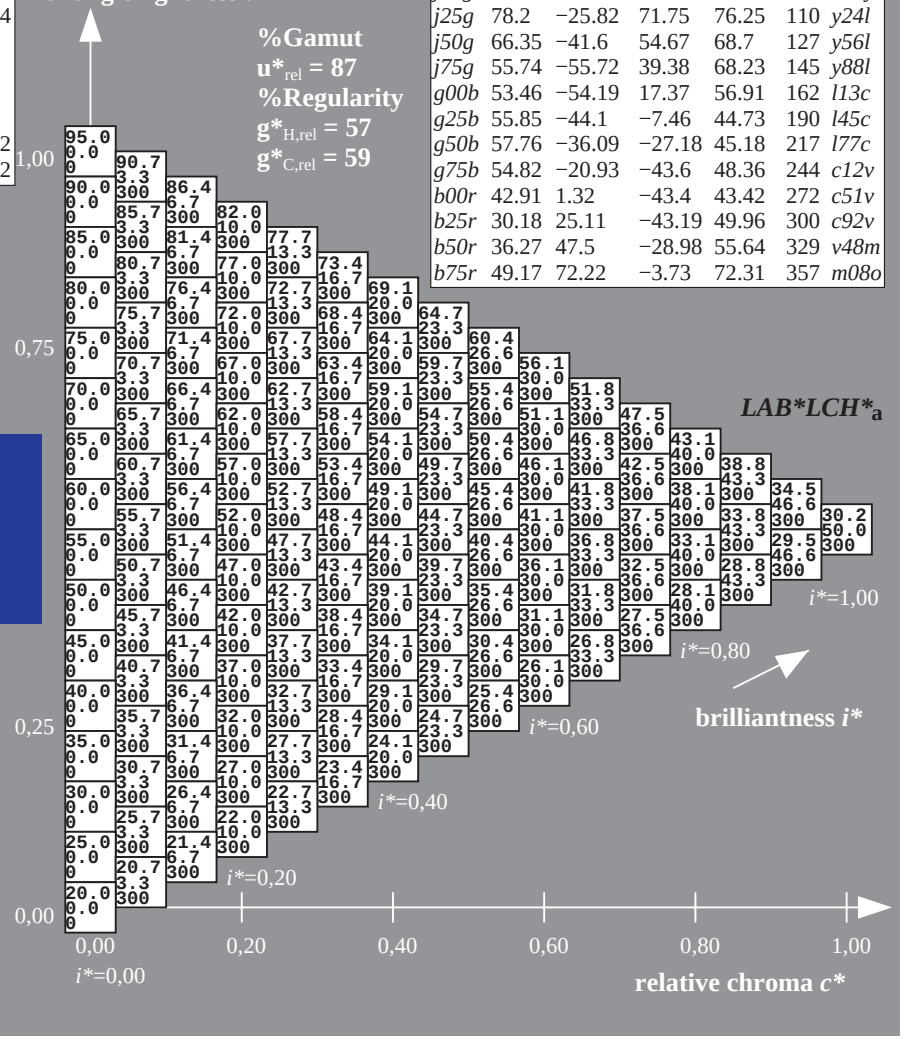
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0

$lab^*olv^*_{Ma}$: 0.0 0.07 1.0

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*





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

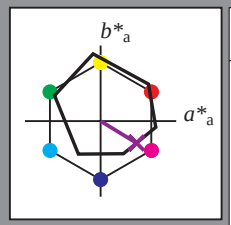
$u^*_e = b50r$
$LAB^*LCH^*_a$

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

Hue texts:
$u^*_e = b50r$ $u^*_d = v48m$

contrast reduction factor:
$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 47 −29

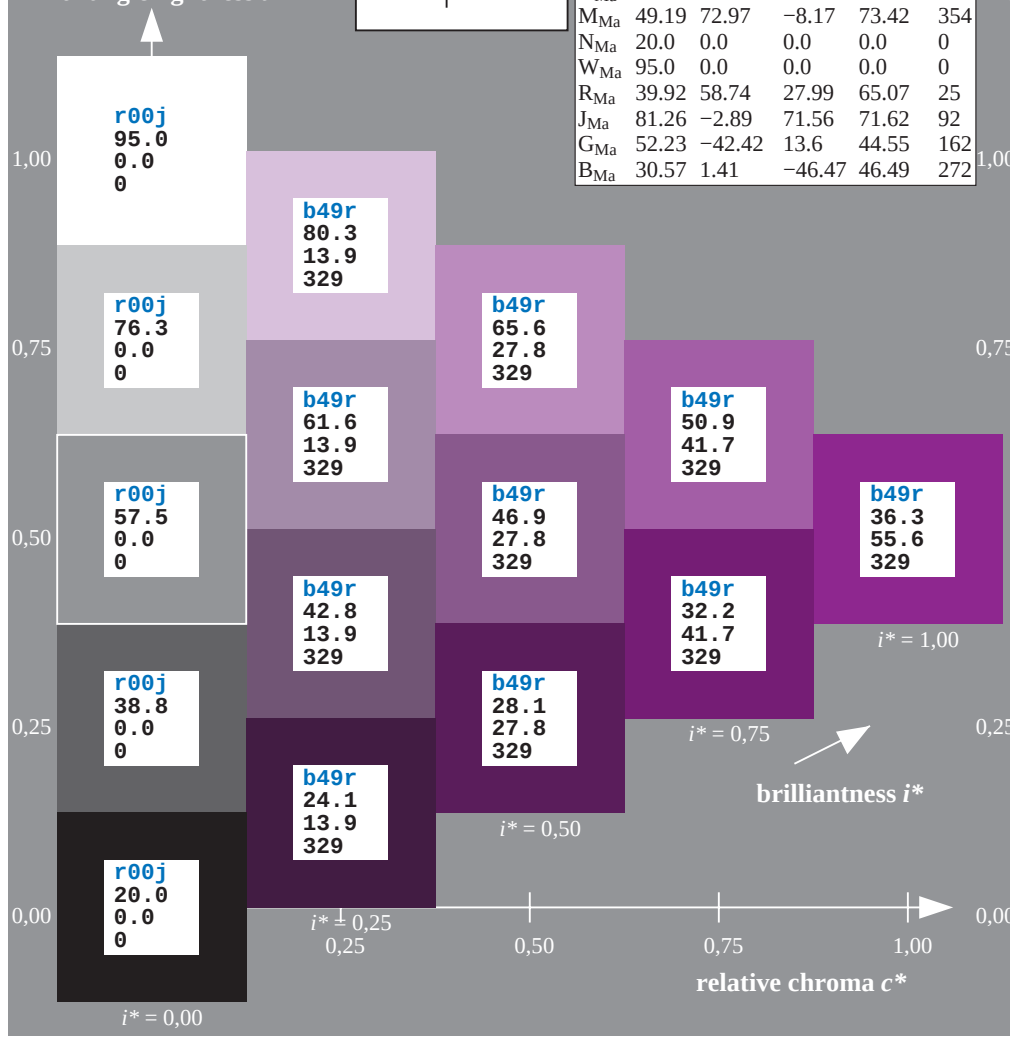
$LAB^*LCH^*_{Ma}$: 36 56 328

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

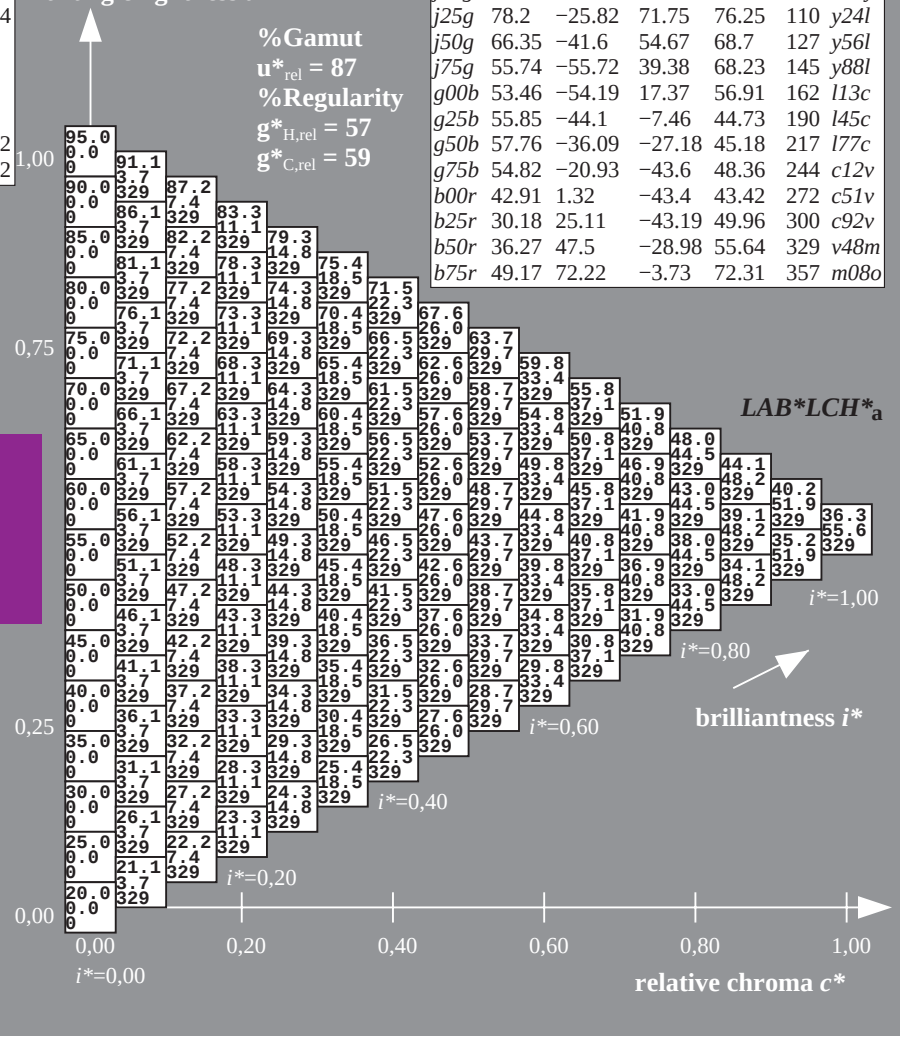
$lab^*olv^*_{Ma}$: 0.49 0.0 1.0

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



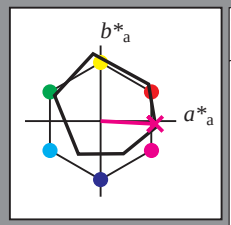
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b75r$ $u^*_d = m08o$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

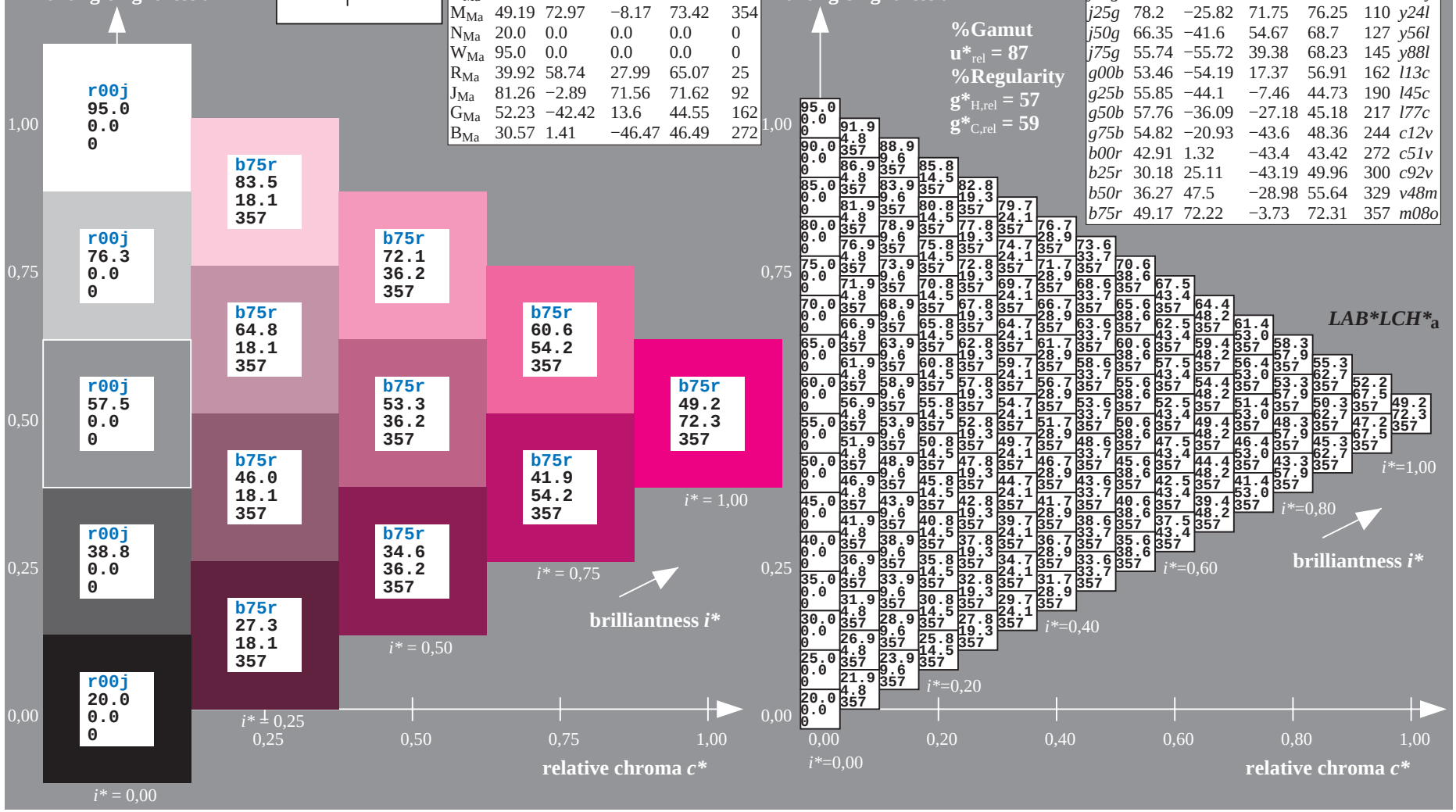
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 72 −4
$LAB^*LCH^*_{Ma}$: 49 72 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.92
triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

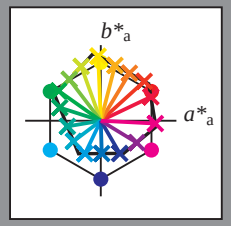


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LCH*a
01	20.0	24.0	28.0	32.0	35.9	39.9	43.9	47.9	51.9	23.6	28.8	32.2	36.1	40.1	44.1	48.1	52.1	56.1	27.3	32.1	37.5	40.5	44.3	48.2	52.2	56.2	60.2	95.0	89.3	83.5	77.8	72.0	66.3	60.5	54.8	49.0	20.0	20.0	20.0	20.0
	0.0	8.7	17.4	26.1	34.8	43.5	52.2	60.9	69.6	10.0	11.2	17.4	25.4	33.8	42.3	50.9	59.5	68.1	20.0	18.4	22.4	27.5	34.8	42.7	50.9	59.2	67.7	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	0.0	0.0	0.0	0.0
	0	151	151	151	151	151	151	151	151	38	96	124	133	137	140	142	143	144	38	67	96	115	124	129	133	135	137	0	38	38	38	38	38	38	38	38	0	0	0	0
02	20.9	24.9	29.0	33.2	37.2	41.3	45.3	49.4	53.4	23.6	29.4	33.4	37.3	41.3	45.3	49.3	53.3	57.3	27.3	33.0	38.1	41.5	45.5	49.5	53.5	57.5	61.5	90.5	85.6	79.9	74.1	68.4	62.6	56.9	51.1	45.4	29.4	29.4	29.4	29.4
	6.6	6.6	11.0	17.8	25.2	33.0	41.0	49.2	57.4	9.2	0.0	8.7	17.4	26.1	34.8	43.5	52.2	60.9	17.8	10.0	11.2	17.4	25.4	33.8	42.3	50.9	59.5	6.6	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	0.0	0.0	0.0	0.0
	305	236	194	179	172	168	165	163	162	354	0	151	151	151	151	151	151	151	16	38	96	124	133	137	140	142	143	236	0	38	38	38	38	38	38	38	0	0	0	0
03	21.9	25.9	29.8	33.9	38.1	42.2	46.3	50.4	54.5	24.1	30.3	34.3	38.4	42.5	46.6	50.7	54.7	58.7	27.3	33.0	38.8	42.7	46.7	50.7	54.7	58.7	62.7	86.1	81.2	76.3	70.5	64.8	59.0	53.3	47.5	41.8	38.8	38.8	38.8	38.8
	13.2	10.9	13.2	16.5	22.1	28.6	35.5	42.8	50.4	14.0	6.6	6.6	11.0	17.8	25.2	33.0	41.0	49.2	18.4	9.2	0.0	8.7	17.4	26.1	34.8	43.5	52.2	13.2	6.6	0.0	10.0	20.0	30.0	40.0	50.0	60.0	0.0	0.0	0.0	0.0
	305	271	236	208	194	185	179	175	172	329	305	236	194	179	172	168	165	163	354	354	0	151	151	151	151	151	151	236	236	0	38	38	38	38	38	38	0	0	0	0
04	22.8	27.0	30.5	34.8	38.8	42.9	47.1	51.2	55.4	25.0	31.2	35.2	39.2	43.3	47.4	51.6	55.7	59.8	27.5	33.5	39.7	43.7	47.8	51.9	56.0	60.0	64.1	81.6	76.7	71.8	66.9	61.1	55.4	49.6	43.9	38.1	48.1	48.1	48.1	48.1
	19.7	16.6	16.6	19.7	22.4	27.3	33.1	39.5	46.3	20.1	13.2	10.9	13.2	16.5	22.1	28.6	35.5	42.8	22.3	14.0	6.6	6.6	11.0	17.8	25.2	33.0	41.0	19.7	13.2	6.6	0.0	10.0	20.0	30.0	40.0	50.0	0.0	0.0	0.0	0.0
	305	282	259	236	215	202	194	187	183	321	305	271	236	208	194	185	179	175	337	329	305	236	194	179	172	168	165	236	236	236	0	38	38	38	38	38	0	0	0	0
05	23.7	28.1	31.7	35.3	39.7	43.7	47.8	52.0	56.1	25.9	32.2	36.4	39.9	44.1	48.2	52.3	56.5	60.6	28.3	34.4	40.6	44.6	48.6	52.7	56.8	60.9	65.1	77.2	72.3	67.3	62.4	57.5	51.8	46.0	40.3	34.5	57.5	57.5	57.5	57.5
	26.3	22.7	21.7	22.7	26.3	28.5	32.9	38.2	44.2	26.5	19.7	16.6	16.6	19.7	22.4	27.3	33.1	39.5	27.9	20.1	13.2	10.9	13.2	16.5	22.1	28.6	35.5	26.3	19.7	13.2	6.6	0.0	10.0	20.0	30.0	40.0	0.0	0.0	0.0	0.0
	305	288	271	253	236	219	208	200	194	317	305	282	259	236	215	202	194	187	329	321	305	271	236	208	194	185	179	236	236	236	236	0	38	38	38	38	0	0	0	0
06	24.7	29.2	32.9	36.4	40.1	44.6	48.6	52.7	56.9	26.9	33.1	37.5	41.1	44.7	49.1	53.1	57.2	61.4	29.1	35.3	41.6	45.8	49.3	53.5	57.5	61.7	65.8	72.7	67.8	62.9	58.0	53.0	48.1	42.4	36.6	30.9	66.9	66.9	66.9	66.9
	32.9	29.0	27.3	27.3	29.0	32.9	34.8	38.8	43.7	33.0	26.3	22.7	21.7	22.7	26.3	28.5	32.9	38.2	34.0	26.5	19.7	16.6	16.6	19.7	22.4	27.3	33.1	32.9	26.3	19.7	13.2	6.6	0.0	10.0	20.0	30.0	0.0	0.0	0.0	0.0
	305	291	277	264	250	236	222	212	204	315	305	288	271	253	236	219	208	200	324	317	305	282	259	236	215	202	194	236	236	236	236	236	0	38	38	38	0	0	0	0
07	25.6	30.2	34.0	37.6	41.1	44.9	49.5	53.5	57.6	27.8	34.0	38.5	42.3	45.8	49.5	54.0	58.0	62.1	30.0	36.2	42.5	46.9	50.5	54.1	58.4	62.4	66.6	68.3	63.3	58.4	53.5	48.6	43.7	38.8	33.0	27.3	76.3	76.3	76.3	76.3
	39.5	35.4	33.2	32.6	33.2	35.4	39.5	41.2	44.8	39.5	32.9	29.0	27.3	27.3	29.0	32.9	34.8	38.8	40.2	33.0	26.3	22.7	21.7	22.7	26.3	28.5	32.9	39.5	32.9	26.3	19.7	13.2	6.6	0.0	10.0	20.0	0.0	0.0	0.0	0.0
	305	293	282	271	259	248	236	224	215	313	305	291	277	264	250	236	222	212	321	315	305	288	271	253	236	219	208	236	236	236	236	236	236	0	38	38	0	0	0	0
08	26.5	31.2	35.1	38.7	42.2	45.8	49.8	54.4	58.4	28.7	35.0	39.5	43.4	46.9	50.5	54.3	58.9	62.9	30.9	37.2	43.4	47.9	51.6	55.1	58.9	63.3	67.3	63.8	58.9	54.0	49.1	44.1	39.2	34.3	29.4	23.6	85.6	85.6	85.6	85.6
	46.1	41.8	39.3	38.1	38.1	39.3	41.8	46.1	47.6	46.0	39.5	35.4	33.2	32.6	33.2	35.4	39.5	41.2	46.6	39.5	32.9	29.0	27.3	27.3	29.0	32.9	34.8	46.1	39.5	32.9	26.3	19.7	13.2	6.6	0.0	10.0	0.0	0.0	0.0	0.0
	305	295	285	275	266	256	246	236	225	312	305	293	282	271	259	248	236	224	319	313	305	291	277	264	250	236	222	236	236	236	236	236	236	236	0	38	0	0	0	0
09	27.5	32.2	36.2	39.9	43.4	46.9	50.6	54.7	59.4	29.7	35.9	40.5	44.5	48.1	51.6	55.2	59.2	63.8	31.9	38.1	44.4	48.9	52.8	56.3	59.8	63.7	68.3	59.4	54.4	49.5	44.6	39.7	34.8	29.8	24.9	20.0	95.0	95.0	95.0	95.0
	52.6	48.2	45.5	43.9	43.4	43.9	45.5	48.2	52.6	52.5	46.1	41.8	39.3	38.1	38.1	39.3	41.8	46.1	53.0	46.0	39.5	35.4	33.2	32.6	33.2	35.4	39.5	52.6	46.1	39.5	32.9	26.3	19.7	13.2	6.6	0.0	0.0	0.0	0.0	0.0
	305	296	288	279	271	262	253	245	236	311	305	295	285	275	266	256	246	236	317	312	305	293	282	271	259	248	236	236	236	236	236	236	236	236	236	0	0	0	0	0
10	30.9	35.8	40.6	46.3	49.0	52.6	56.5	60.4	64.4	34.5	39.6	44.2	49.1	55.1	57.6	61.0	64.7	68.6	38.1	43.3	47.9	52.6	57.7	63.8	66.2	69.5	73.1	95.0	94.4	93.8	93.2	92.6	91.9	91.3	90.7	90.1	20.0	20.0	20.0	20.0
	30.0	27.6	28.5	33.6	38.0	44.7	52.2	60.1	68.1	40.0	37.1	36.8	39.1	44.7	48.8	55.0	62.1	69.6	50.0	46.8	45.8	46.7	49.9	55.9	59.7	65.5	72.2	0.0	11.2	22.4	33.6	44.7	55.9	67.1	78.3	89.5	0.0	0.0	0.0	0.0
	38	57	77	96	110	118	124	128	130	38	52	67	82	96	107	115	120	124	38	49	61	73	85	96	105	112	117	0	96	96	96	96	96	96	96	96	0	0	0	0
11	30.9	36.6	41.5	46.9	49.9	53.7	57.6	61.6	65.6	34.5	40.3	45.2	49.9	55.7	58.4	62.0	65.8	69.8	38.2	43.9	48.9	53.6	58.5	64.4	67.0	70.4	74.1	86.6	85.6	85.0	84.4	83.8	83.2	82.6	82.0	81.4	25.0	25.0	25.0	25.0
	27.2	20.0	18.4	22.4	27.5	34.8	42.7	50.9	59.2	36.9	30.0	27.6	28.5	33.6	38.0	44.7	52.2	60.1	46.8	40.0	37.1	36.8	39.1	44.7	48.8	55.0	62.1	6.6	0.0	11.2	22.4	33.6	44.7	55.9	67.1	78.3	0.0	0.0	0.0	0.0
	23	38	67	96	115	124	129	133	135	27	38	57	77	96	110	118	124	128	29	38	52	67	82	96	107	115	120	305	0	96	96	96	96	96	96	96	0	0	0	0
12	30.9	36.6	42.4	47.5	50.9	54.9	58.9	62.9	66.9	34.5	40.3	46.0	50.9	56.3	59.3	63.1	67.0	71.0	38.2	43.9	49.6	54.6	59.3	65.0	67.8	71.4	75.2	78.1	77.2	76.3	75.6	75.0	74.4	73.8	73.2	72.6	30.0	30.0	30.0	30.0
	26.5	17.8	10.0	11.2	17.4	25.4	33.8	42.3	50.9	35.5	27.2	20.0	18.4	22.4	27.5	34.8	42.7	50.9	44.9	36.9	30.0	27.6	28.5	33.6	38.0	44.7	52.2	13.2	6.6	0.0	11.2	22.4	33.6	44.7	55.9	67.1	0.0	0.0	0.0	0.0
	8	16	38	96	124	133	137	140	142	16	23	38	67	96	115	124	129	133	20	27	38	57	77	96	110	118	124	305	305	0	96	96	96	96	96	96	0	0	0	0
13	30.9	36.7	42.4	48.1	52.1	56.1	60.1	64.1	68.0	34.6	40.3	46.0	51.8	56.9	60.3	64.2	68.2	72.2	38.2	43.9	49.7	55.4	60.2	65.7	68.6	72.4	76.4	69.7	68.7	67.8	66.9	66.3	65.7	65.0	64.4	63.8	35.0	35.0	35.0	35.0
	27.5	18.4	9.2	0.0	8.7	17.4	26.1	34.8	43.5	35.4	26.5	17.8	10.0	11.2	17.4	25.4	33.8	42.3	44.1	35.5	27.2	20.0	18.4	22.4	27.5	34.8	42.7	19.7	13.2	6.6	0.0	11.2	22.4	33.6	44.7	55.9	0.0	0.0	0.0	0.0
	354	354	354	0	151	151	151	151	151	5	8	16	38	96	124	133	137	140	11	16	23	38	67	96	115	124	129	305	305	305	0	96	96	96	96	96	0	0	0	0
14	31.0	36.9	42.9	49.1	53.0	57.2	61.3	65.4	69.4	34.6	40.3	46.0	51.8	57.5	61.5	65.5	69.5	73.4	38.2	43.9	49.7	55.4	61.1	66.3	69.7	73.6	77.6	61.2	60.3	59.4	58.4	57.5	56.9	56.3	55.7	55.1	40.0	40.0	40.0	40.0
	31.0	22.3	14.0	6.6	6.6	11.0	17.8	25.2	33.0	36.7	27.5	18.4	9.2	0.0	8.7	17.4	26.1	34.8	44.5	35.4	26.5	17.8	10.0	11.2	17.4	25.4	33.8	26.3	19.7	13.2	6.6	0.0	11.2	22.4	33.6	44.7	0.0	0.0	0.0	0.0
	341	337	329	305	236	194	179	172	168	354	354	354	354	0	151	151	151	151	2	5	8	16	38	96	124	133	137	305	305	305	305	0	96	96	96	96	0	0	0	0
15	31.6	37.6	43.8	50.0	54.0	58.0	62.0	66.2	70.3	34.5	40.4	46.3	52.3	58.4	62.4	66.5	70.7	74.7	38.2	44.0	49.7	55.4	61.1	66.9	70.9	74.8	78.8	52.8	51.9	50.9	50.0	49.1	48.1	47.5	46.9	46.3	45.0	45.0	45.0	45.0
	36.2	27.9	20.1	13.2	10.9	13.2	16.5	22.1	28.6	39.9	31.0	22.3	14.0	6.6	6.6	11.0	17.8	25.2	45.9	36.7	27.5	18.4	9.2	0.0	8.7	17.4	26.1	32.9	26.3	19.7	13.2	6.6	0.0	11.2	22.4	33.6	0.0	0.0	0.0	0.0
	334	329	321	305	271	236	208	194	185	344	341	337	329	305	236	194	179	172	354	354	354	354	354	0	151	151	151	305	305	305	305	305	0	96	96	96	0	0	0	0
16	32.4	38.5	44.7	50.9	55.1	58.7	62.9	66.9	71.1	35.0	41.0	47.0	53.1	59.4	63.4	67.3	71.4	75.6	38.1	43.9	49.8	55.6	61.6	67.8	71.8	75.9	80.0	44.4	43.4	42.5	41.6	40.6	39.7	38.8	38.1	37.5	50.0	50.0	50.0	50.0
	41.9	34.0	26.5	19.7	16.6	16.6	19.7	22.4	27.3	44.7	36.2	27.9	20.1	13.2	10.9	13.2	16.5	22.1	48.8	39.9	31.0	22.3	14.0	6.6	6.6	11.0	17.8	39.5	32.9	26.3	19.7	13.2	6.6	0.0	11.2	22.4	0.0	0.0	0.0	0.0
	329	324	317	305	282	259	236	215	202	337	334	329	321	305	271	236	208	194	345	344	341	337	329	305	236	194	179	305	305	305	305	305	305	0	96	96	0	0	0	0
17	33.3	39.4	45.6	51.9	56.2	59.8	63.4	67.8	71.8	35.7	41.8	47.9	54.1	60.3	64.5	68.0	72.3	76.3	38.5	44.4	50.4	56.4	62.5	68.7	72.7	76.7	80.8	35.9	35.0	34.0	33.1	32.2	31.2	30.3	29.4	28.8	55.0	55.0	55.0	55.0
	47.9	40.2	33.0	26.3	22.7	21.7	22.7	26.3	28.5	50.1	41.9	34.0	26.5	19.7	16.6	16.6	19.7	22.4	53.3	44.7	36.2	27.9	20.1	13.2	10.9	13.2	16.5	46.1	39.5	32.9	26.3	19.7	13.2	6.6	0.0	11.2	0.0	0.0	0.0	0.0
	326	321	315	305	288	271	253	236	219	333	329	324	317	305	282	259	236	215	340	337	334	329	321	305	271	236	208	305	305	305	305	305	305	305	0	96	0	0	0	0
18	34.1	40.3	46.5	52.8	57.3	61.0	64.5	68.2	72.7	36.5	42.6	48.8	55.0	61.2	65.6	69.2	72.8	77.2	39.1	45.1	51.2	57.3	63.4	69.7	73.9	77.4	81.6	27.5	26.5	25.6	24.7	23.7	22.8	21.9	20.9	20.0	60.0	60.0	60.0	60.0
	54.1	46.6	39.5	32.9	29.0	27.3	27.3	29.0	32.9	55.9	47.9	40.2	33.0	26.3	22.7	21.7	22.7	26.3	58.5	50.1	41.9	34.0	26.5	19.7	16.6	16.6	19.7	52.6	46.1	39.5	32.9	26.3	19.7	13.2	6.6	0.0	0.0	0.0	0.0	0.0
	323	319	313	305	291	277	264	250	236	329	326	321	315	305	288	271	253	236	335	333	329	324	317	305	282	259	236	305	305	305	305	305	305	305	305	0	0	0	0	0
19	41.8	46.9	51.7	56.3	61.1	66.4	72.6	74.9	78.0	45.4	50.6	55.4	60.0	64.7	69.6	75.1	81.4	83.6	49.0	54.2	59.1	63.8	68.4	73.2	78.2	83.8	90.1	95.0	89.6	84.2	78.8	73.4	68.0	62.7	57.3	51.9	65.0	65.0	65.0	65.0
	60.0	56.6	55.1	55.2	57.0	60.8	67.1	70.7	76.1	70.0	66.5	64.6	64.1	65.1	67.5	71.7	78.3	81.7	80.0	76.4	74.2	73.3	73.6	75.2	78.1	82.7	89.5	0.0	8.7	17.4	26.1	34.8	43.5	52.2	60.9	69.6	0.0	0.0	0.0	0.0
	38	47	57	67	77	87	96	104	110	38	46	54	63	71	80	88	96	103	38	45	52	60	67	74	82	89	96	0	151	151	151	151	151	151	151	151	0	0	0	0
20	41.8	47.5	52.6	57.3	62.0	67.1	73.2	75.6	78.9	45.4	51.1	56.3	61.1	65.7	70.5	75.8	82.0	84.3	49.0	54.8	60.0	64.8	69.4	74.1	79.0	84.4	90.7	89.3	85.6	80.2	74.8	69.5	64.1	58.7	53.3	47.9	70.0	70.0	70.0	70.0
	56.6	50.0	46.8	45.8	46.7	49.9	55.9	59.7	65.5	66.5	60.0	56.6	55.1	55.2	57.0	60.8	67.1	70.7	76.5	70.0	66.5	64.6	64.1	65.1	67.5	71.7	78.3	9.2	0.0	8.7	17.4	26.1	34.8	43.5	52.2	60.9	0.0	0.0	0.0	0.0
	30	38	49	61	73	85	96	105	112	31	38	47	57	67	77	87	96	104	32	38	46	54	63	71	80	88	96	354	0	151	151	151	151	151	151	151	0	0	0	0
21	41.8	47.5	53.3	58.3	63.0	67.9	73.8	76.3	79.8	45.4	51.2	56.9	62.0	66.7	71.4	76.5	82.6	85.0	49.1	54.8	60.5	65.7	70.4	75.1	79.9	85.1	91.3	83.5	79.9	76.3	70.9	65.5	60.1	54.7	49.3	43.9	75.0	75.0	75.0	75.0
	54.4	46.8	40.0	37.1	36.8	39.1	44.7	48.8	55.0	64.1	56.6	50.0	46.8	45.8	46.7	49.9	55.9	59.7	73.9	66.5	60.0	56.6	55.1	55.2	57.0	60.8	67.1	18.4	9.2	0.0	8.7	17.4	26.1	34.8	43.5	52.2	0.0	0.0	0.0	0.0
	23	29	38	52	67	82	96	107	115	25	30	38	49	61	73	85	96	105	27	31	38	47	57	67	77	87	96	354	354	0	151	151	151	151	151	151	0	0	0	0
22	41.8	47.6	53.3	59.0	64.0	68.7	74.4	77.1	80.7	45.4	51.2	56.9	62.6	67.7	72.3	77.2	83.2	85.7	49.1	54.8	60.5	66.3	71.4	76.1	80.7	85.8	91.9	77.8	74.2	70.5	66.9	61.5	56.1	50.7	45.3	39.9	80.0	80.0	80.0	80.0
	53.3	44.9	36.9	30.0	27.6	28.5	33.6	38.0	44.7	62.6	54.4	46.8	40.0	37.1	36.8	39.1	44.7	48.8	72.1	64.1	56.6	50.0	46.8	45.8	46.7	49.9	55.9	27.5	18.4	9.2	0.0	8.7	17.4	26.1	34.8	43.5	0.0	0.0	0.0	0.0
	16	20	27	38	57	77	96	110	118	19	23	29	38	52	67	82	96	107	21	25	30	38	49	61	73	85	96	354	354	354	0	151	151	151	151	151	0	0	0	0
23	41.8	47.6	53.3	59.0	64.8	69.6	75.0	78.0	81.8	45.5	51.2	56.9	62.7	68.4	73.3	78.1	83.8	86.5	49.1	54.8	60.6	66.3	72.0	77.1	81.7	86.6	92.6	72.1	68.4	64.8	61.1	57.5	52.1	46.7	41.3	35.9	85.0	85.0	85.0	85.0
	53.0	44.1	35.5	27.2	20.0	18.4	22.4	27.5	34.8	61.9	53.3	44.9	36.9	30.0	27.6	28.5	33.6	38.0	71.0	62.6	54.4	46.8	40.0	37.1	36.8	39.1	44.7	36.7	27.5	18.4	9.2	0.0	8.7	17.4	26.1	34.8	0.0	0.0	0.0	0.0
	8	11	16	23	38	67	96	115	124	12	16	20	27	38	57	77	96	110	16	19	23	29	38	52	67	82	96	354	354	354	354	0	151	151	151	151	0	0	0	0
24	41.9	47.6	53.3	59.0	64.8	70.5	75.6	79.0	83.0	45.5	51.2	56.9	62.7	68.4	74.1	79.0	84.4	87.4	49.1	54.8	60.6	66.3	72.0	77.8	82.7	87.4	93.2	66.4	62.7	59.1	55.4	51.8	48.1	42.7	37.3	32.0	90.0	90.0	90.0	90.0
	53.6	44.5	35.4	26.5	17.8	10.0	11.2	17.4	25.4	61.9	53.0	44.1	35.5	27.2	20.0	18.4	22.4	27.5	70.6	61.9	53.3	44.9	36.9	30.0	27.6	28.5	33.6	45.9	36.7	27.5	18.4	9.2	0.0	8.7	17.4	26.1	0.0	0.0	0.0	0.0
	1	2	5	8	16	38	96	124	133	6	8	11	16	23	38	67	96	115	10	12	16	20	27	38	57	77	96	354	354	354	354	354	0	151	151	151	0	0	0	0
25	41.9	47.6	53.3	59.1	64.8	70.5	76.3	80.2	84.2	45.5	51.2	57.0	62.7	68.4	74.1	79.9	85.0	88.4	49.1	54.9	60.6	66.3	72.0	77.8	83.5	88.4	93.8	60.

Input and output:
Colorimetric Printer Reflective System ORS18_95aM
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.97

ORS18_95aM; adapted (a) CIELAB data

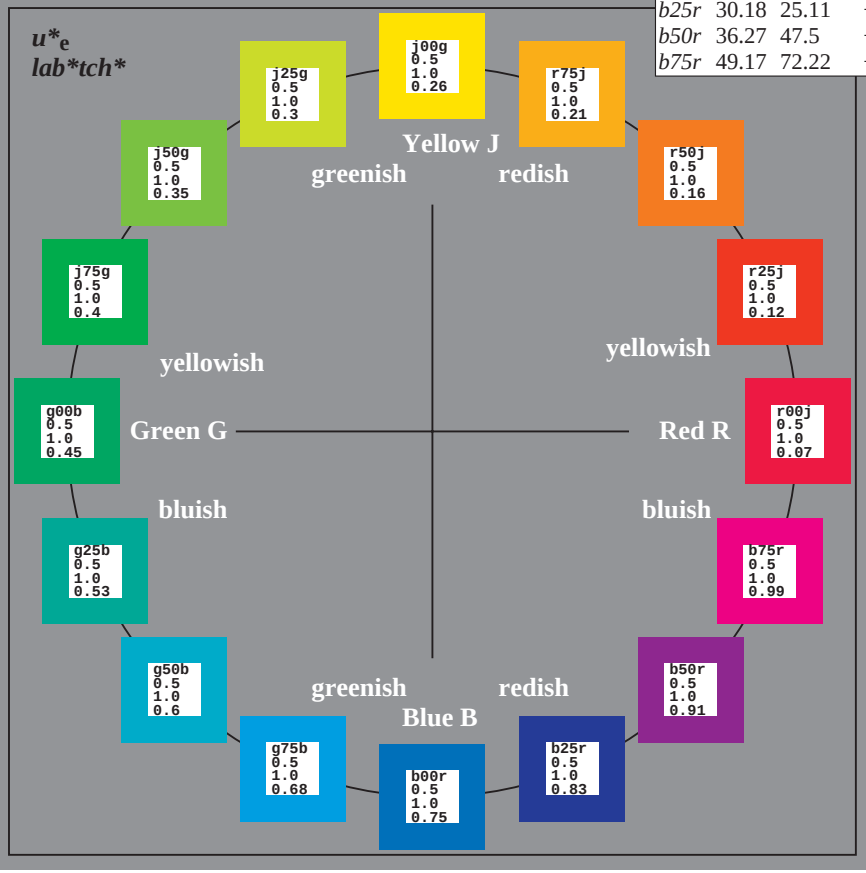
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

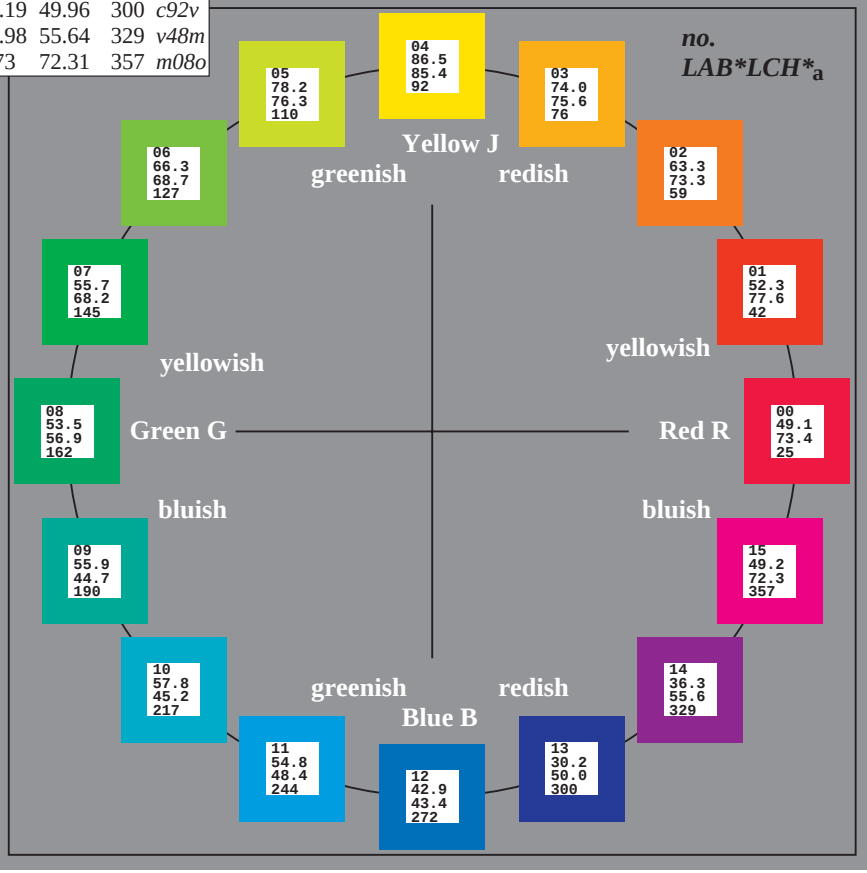


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

*lab*tch** **and** *lab*icu**

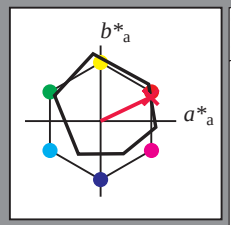
Hue texts:

$u^*_e = r00j$ $u^*_d = m72o$

contrast reduction factor:

$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 49 66 32**

***LAB*LCH*Ma*: 49 73 25**

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

***lab*olv*Ma*: 1.0 0.0 0.28**

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

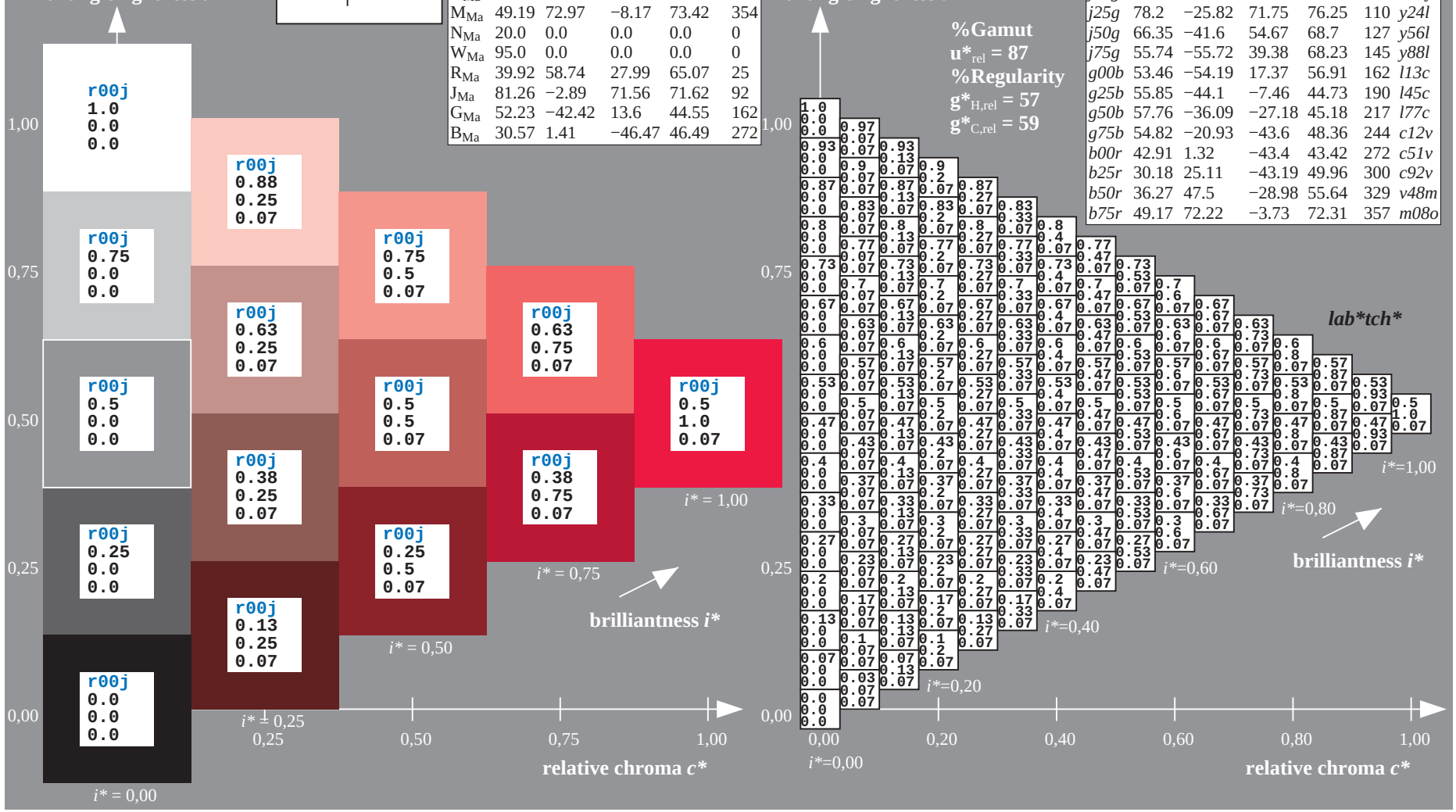
$g^*_{C,rel} = 59$

$u^*_e = r00j$

lab*tch*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

data for any colour:

*lab*tch** and *lab*icu**

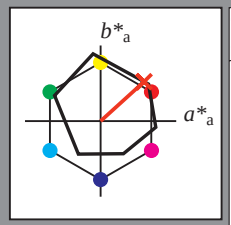
Hue texts:

$u^*_e = r25j$ $u^*_d = o08y$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 52 57 52**

***LAB*LCH*Ma*: 52 78 42**

***lab*rgb*Ma*: 1.0 0.25 0.0**

***lab*olv*Ma*: 1.0 0.08 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

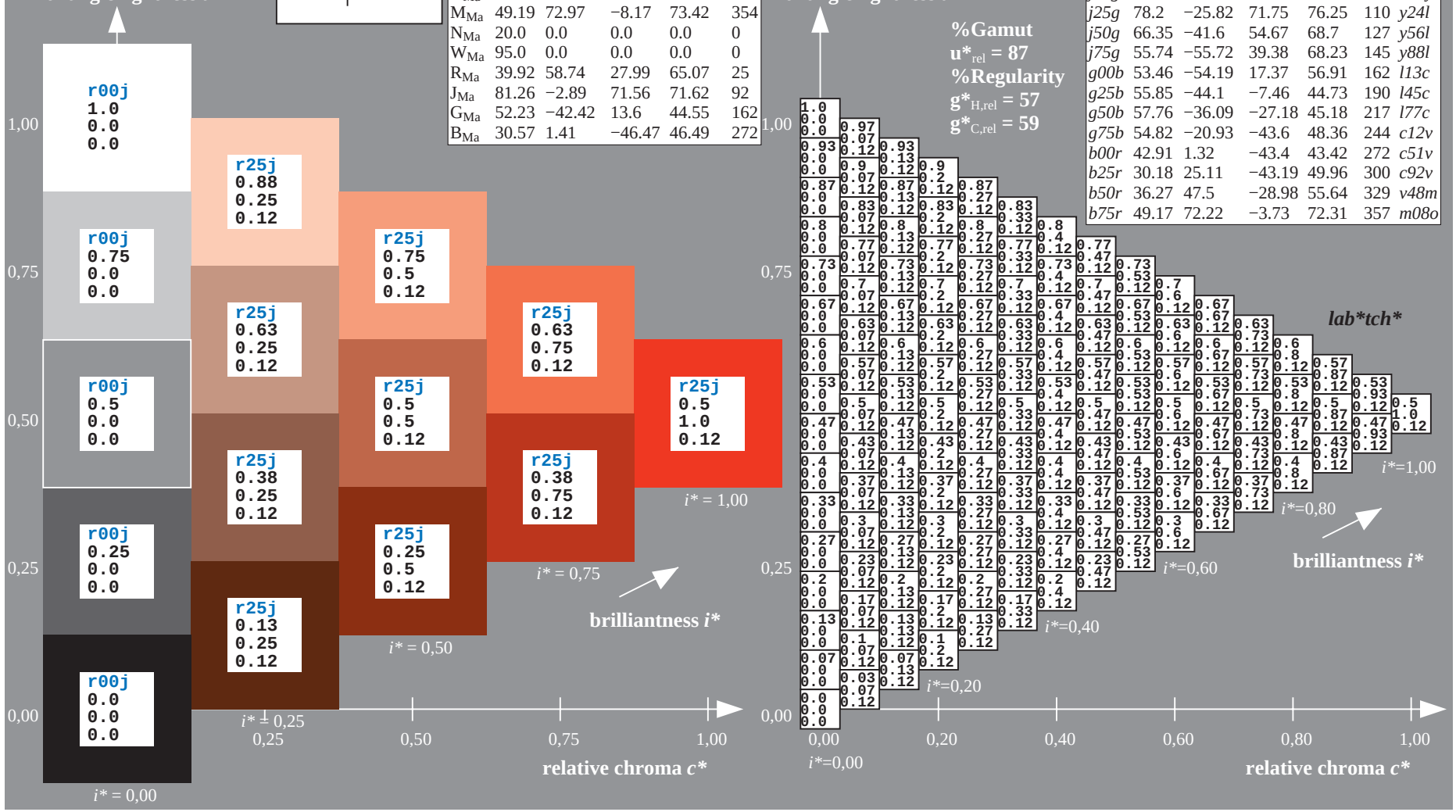
$g^*_{C,rel} = 59$

$u^*_e = r25j$

lab*tch*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

*lab*tch** **and** *lab*icu**

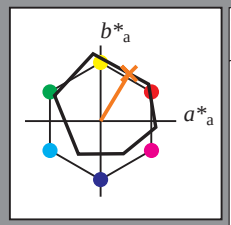
Hue texts:

$u^*_e = r50j$ $u^*_d = o36y$

contrast reduction factor:

$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 63 38 63**

***LAB*LCH*Ma*: 63 73 58**

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

***lab*olv*Ma*: 1.0 0.36 0.0**

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

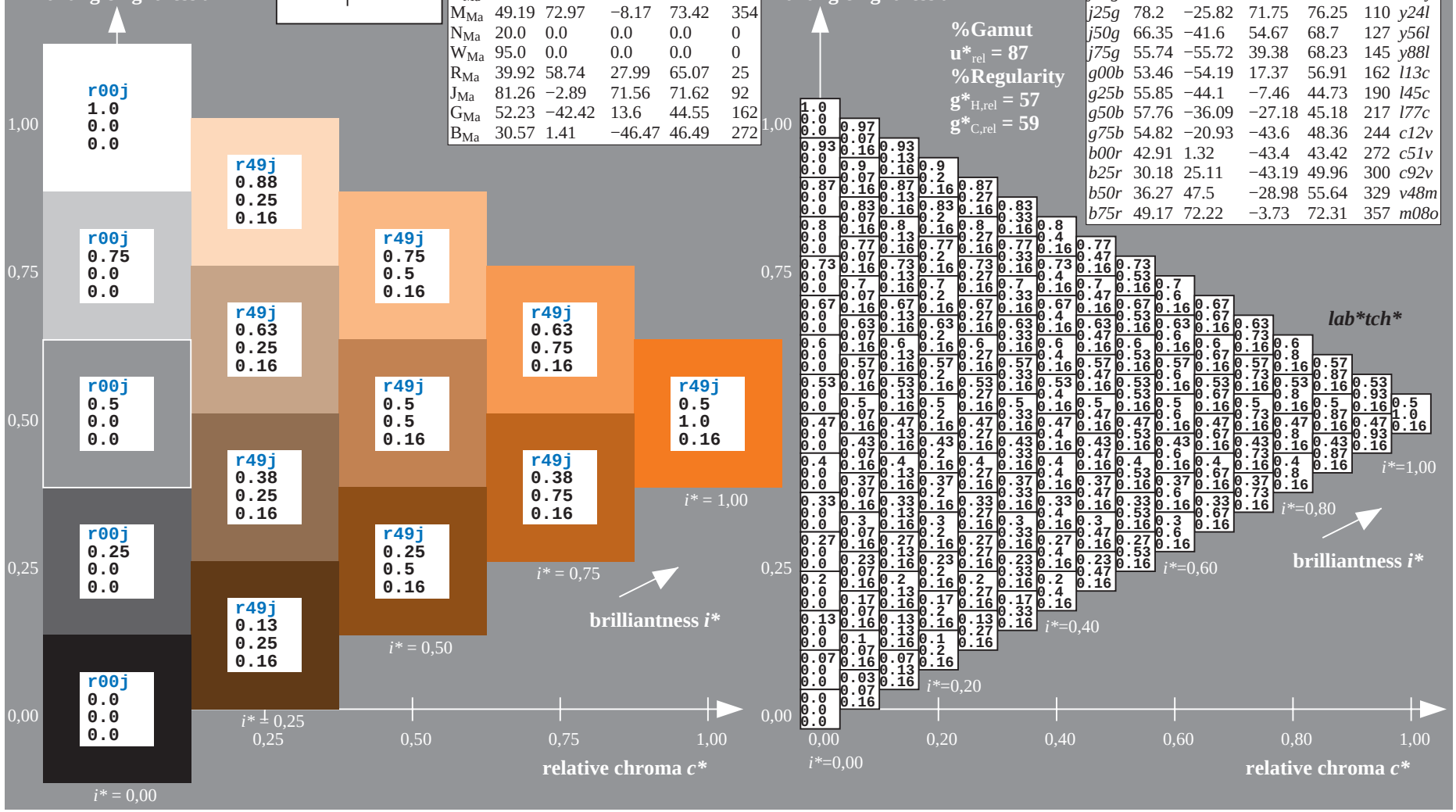
$g^*_{C,rel} = 57$

$u^*_e = r50j$

lab*tch*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

*lab*tch** and *lab*icu**

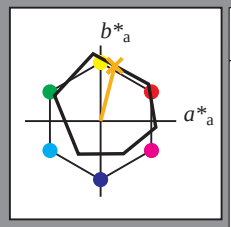
Hue texts:

u^*_e = *r75j* u^*_d = *o64y*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 74 19 73**

***LAB*LCH*Ma*: 74 76 75**

***lab*rgb*Ma*: 1.0 0.75 0.0**

***lab*olv*Ma*: 1.0 0.65 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

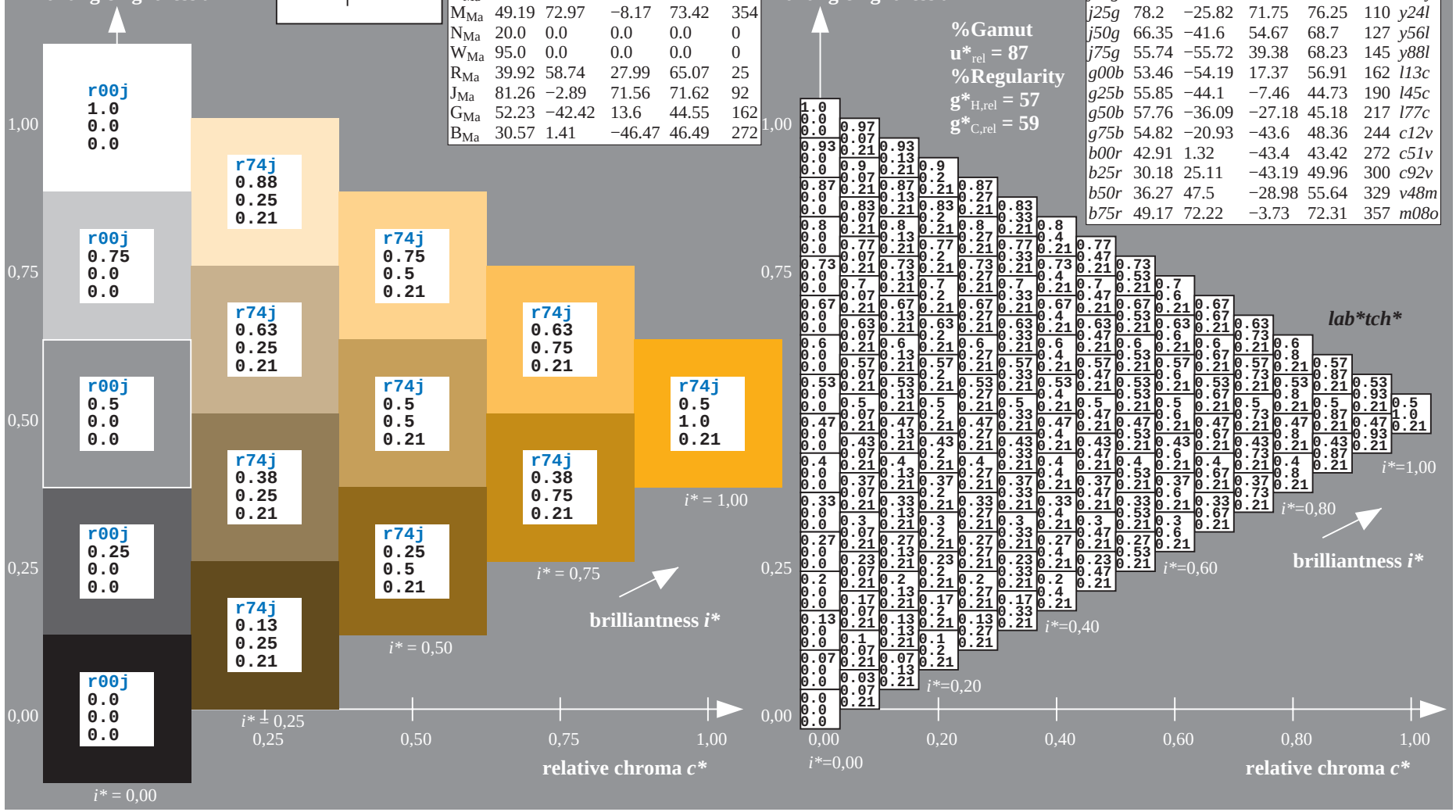
$g^*_{C,rel} = 59$

u^*_e = *r75j*

lab*tch*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

*lab*tch** **and** *lab*icu**

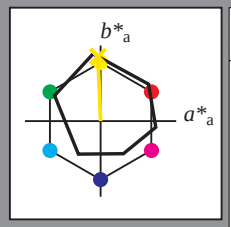
Hue texts:

$u^*_e = j00g$ $u^*_d = o92y$

contrast reduction factor:

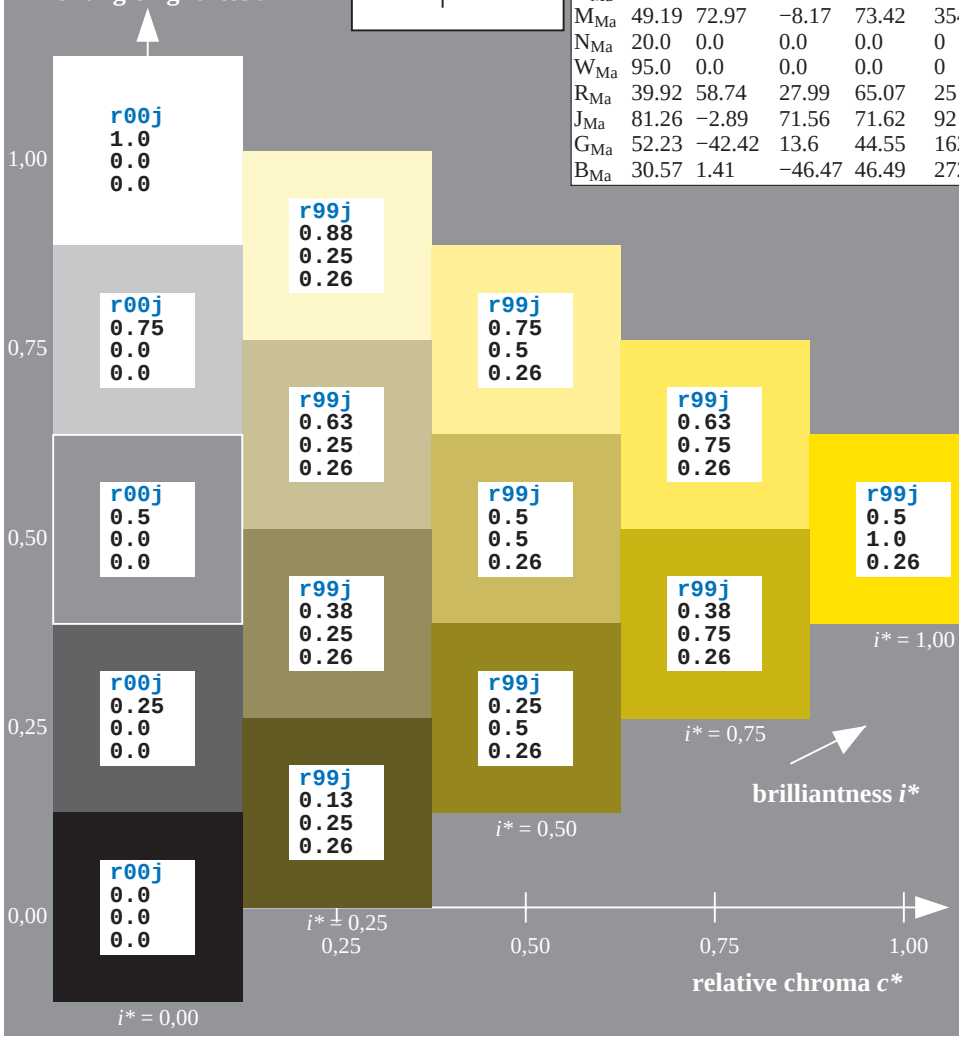
$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 86 −3 85

$LAB^*LCH^*_{Ma}$: 86 85 92

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

$lab^*olv^*_{Ma}$: 1.0 0.93 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

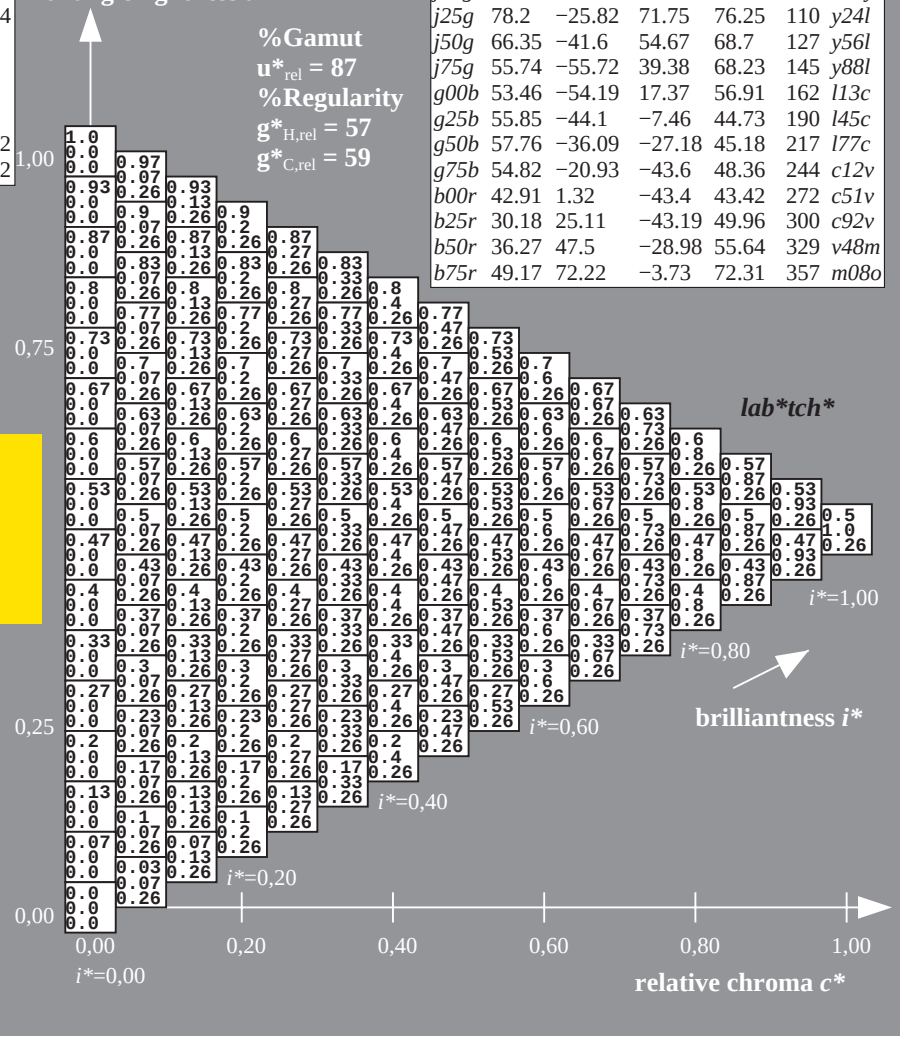
$g^*_{C,rel} = 59$

$u^*_e = j00g$

lab^*tch^*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

*lab*tch** and *lab*icu**

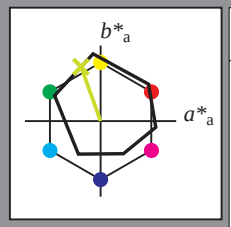
Hue texts:

u^*_e = *j25g* u^*_d = *y24l*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 78 −26 72

*LAB*LCH**$_{Ma}$: 78 76 109

*lab*rgb**$_{Ma}$: 0.75 1.0 0.0

*lab*olv**$_{Ma}$: 0.75 1.0 0.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

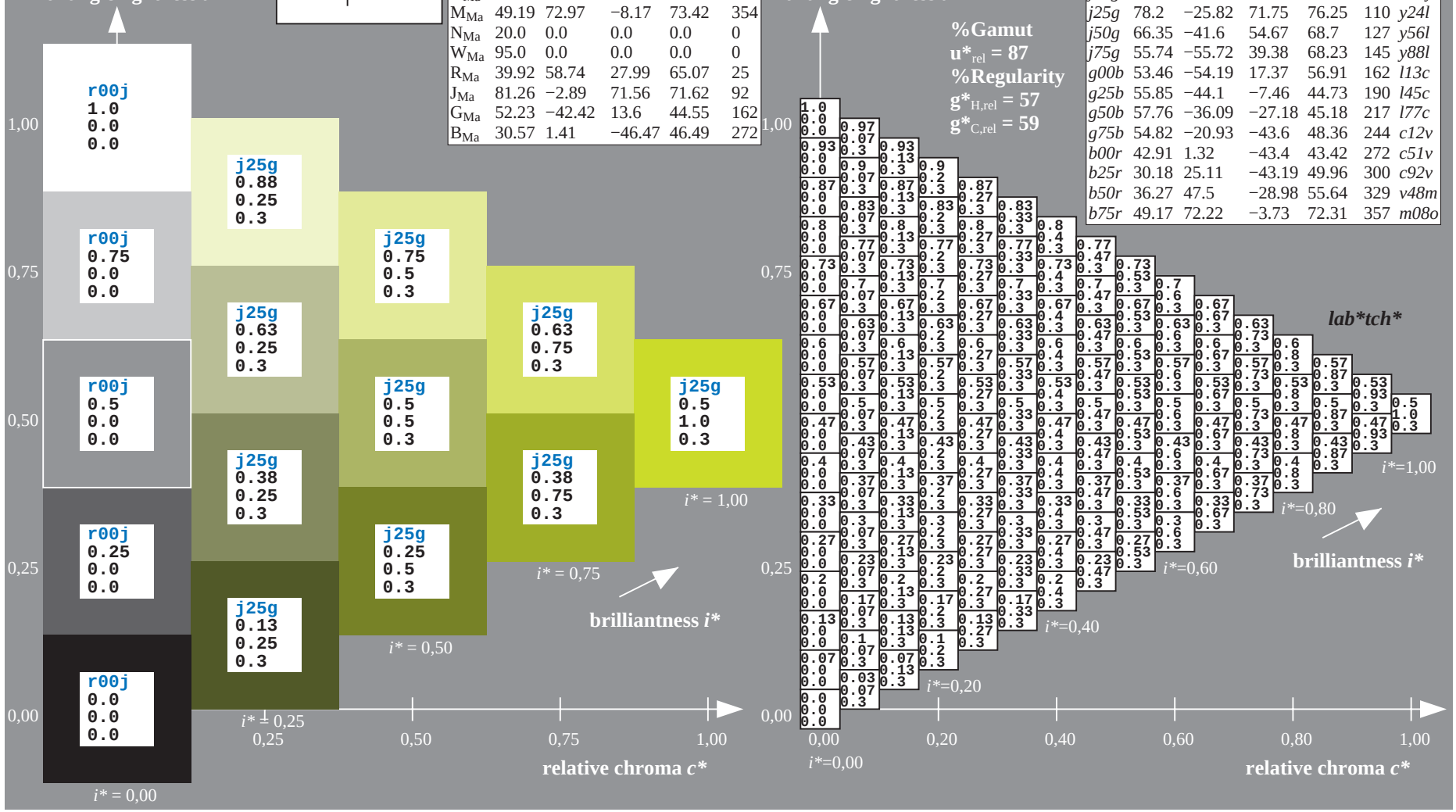
$g^*_{C,rel} = 59$

u^*_e = *j25g*

*lab*tch**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

*lab*tch** and *lab*icu**

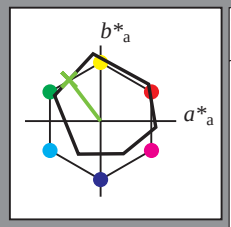
Hue texts:

$u^*_e = j50g$ $u^*_d = y56l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 66 −42 55**

***LAB*LCH*Ma*: 66 69 127**

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

***lab*olv*Ma*: 0.43 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

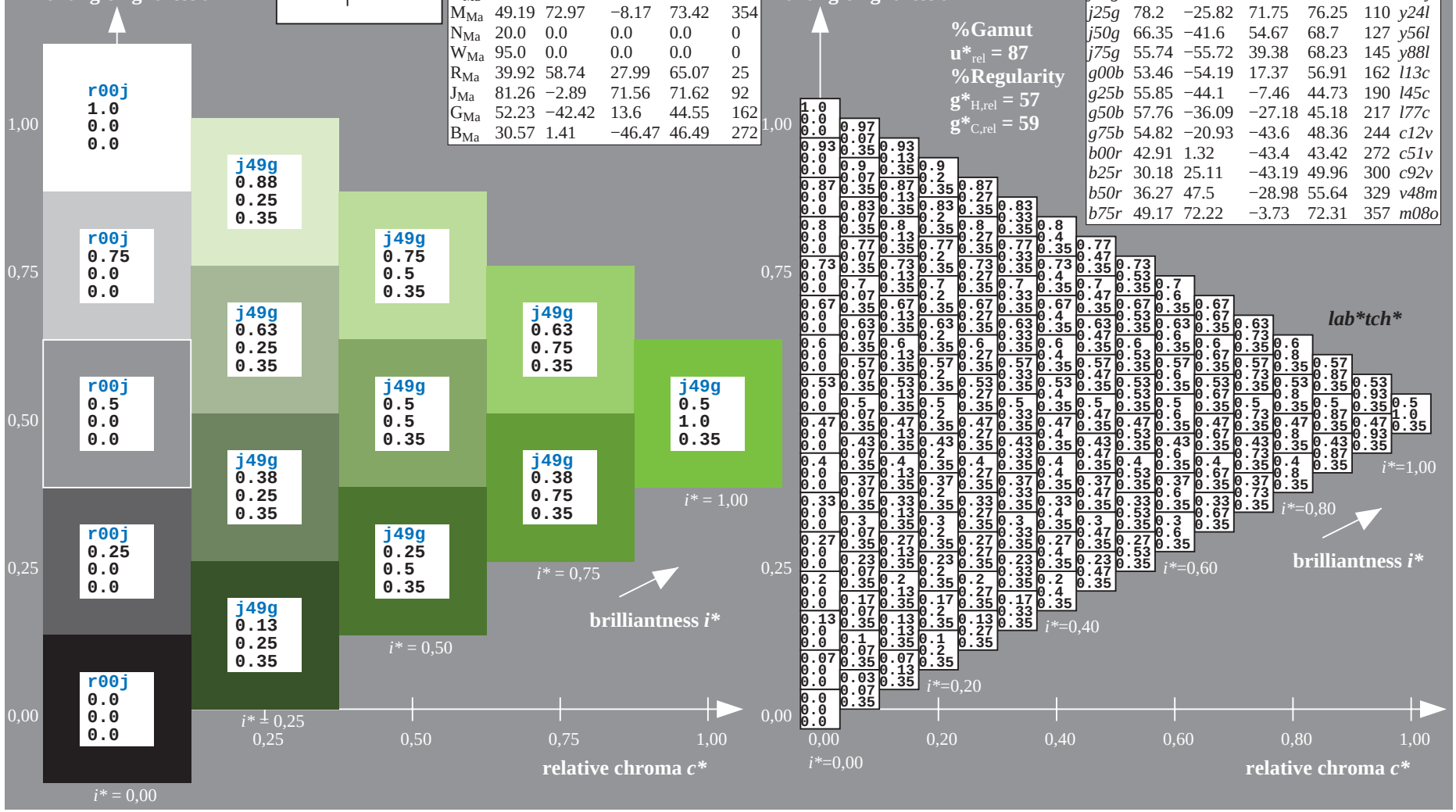
$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

u*e = j50g

lab*tch*

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

*lab*tch** **and** *lab*icu**

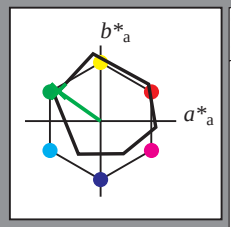
Hue texts:

$u^*_e = j75g$ $u^*_d = y88l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 56 −56 39**

***LAB*LCH*Ma*: 56 68 144**

***lab*rgb*Ma*: 0.25 1.0 0.0**

***lab*olv*Ma*: 0.11 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

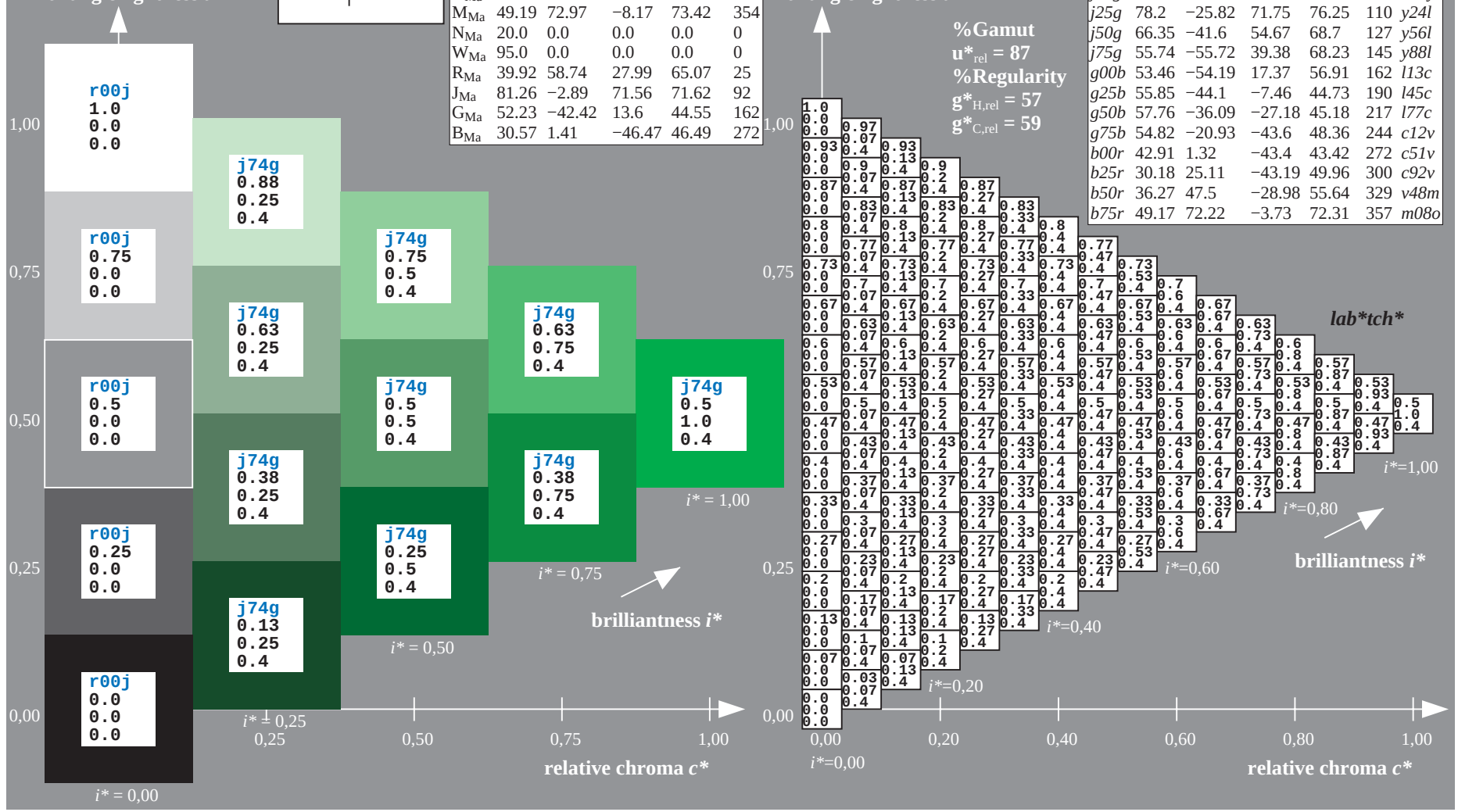
$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$u^*_e = j75g$

lab*tch*

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

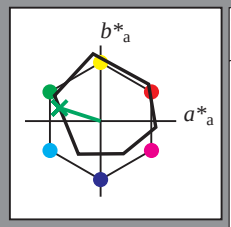
Hue texts:

u^*_e = *g00b* u^*_d = *l13c*

contrast reduction factor:

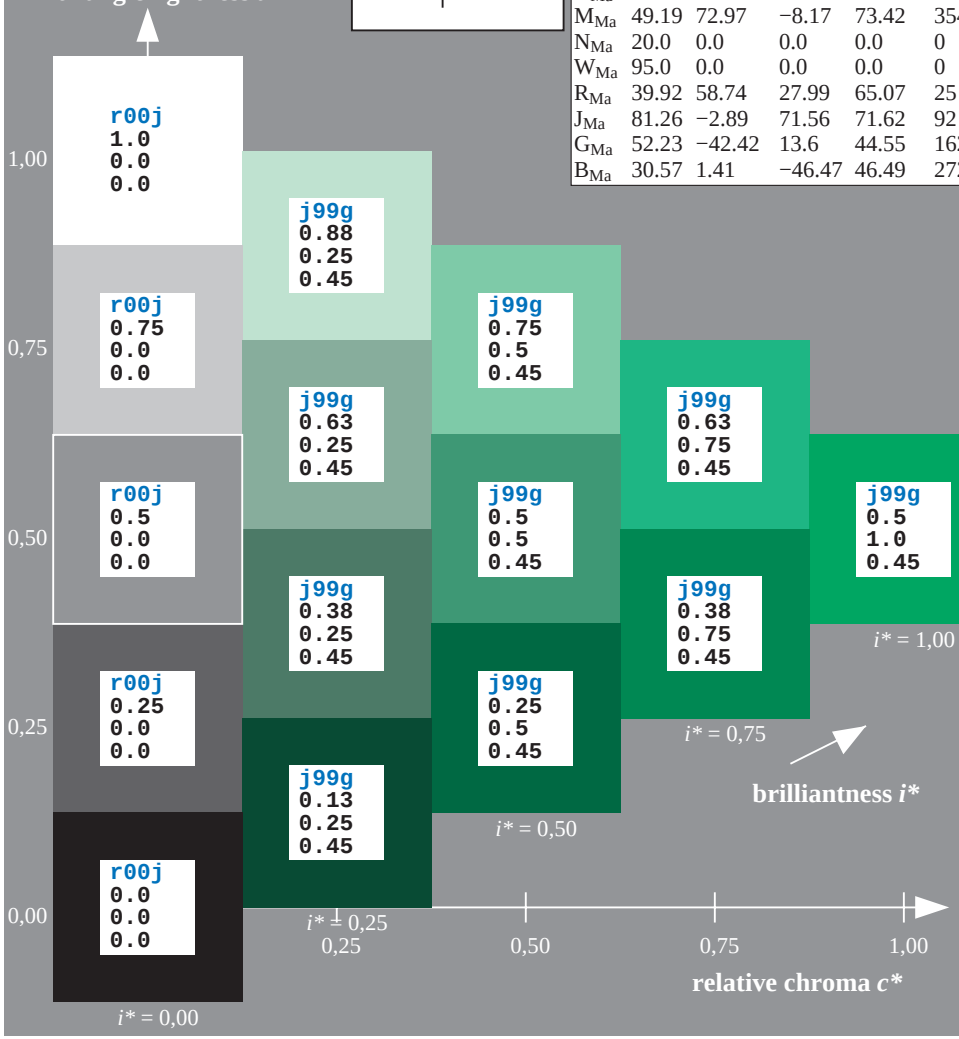
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 53 −54 17

*LAB*LCH**$_{Ma}$: 53 57 162

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

*lab*olv**$_{Ma}$: 0.0 1.0 0.13

triangle lightness *t**

u^*_e = *g00b*

*lab*tch**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

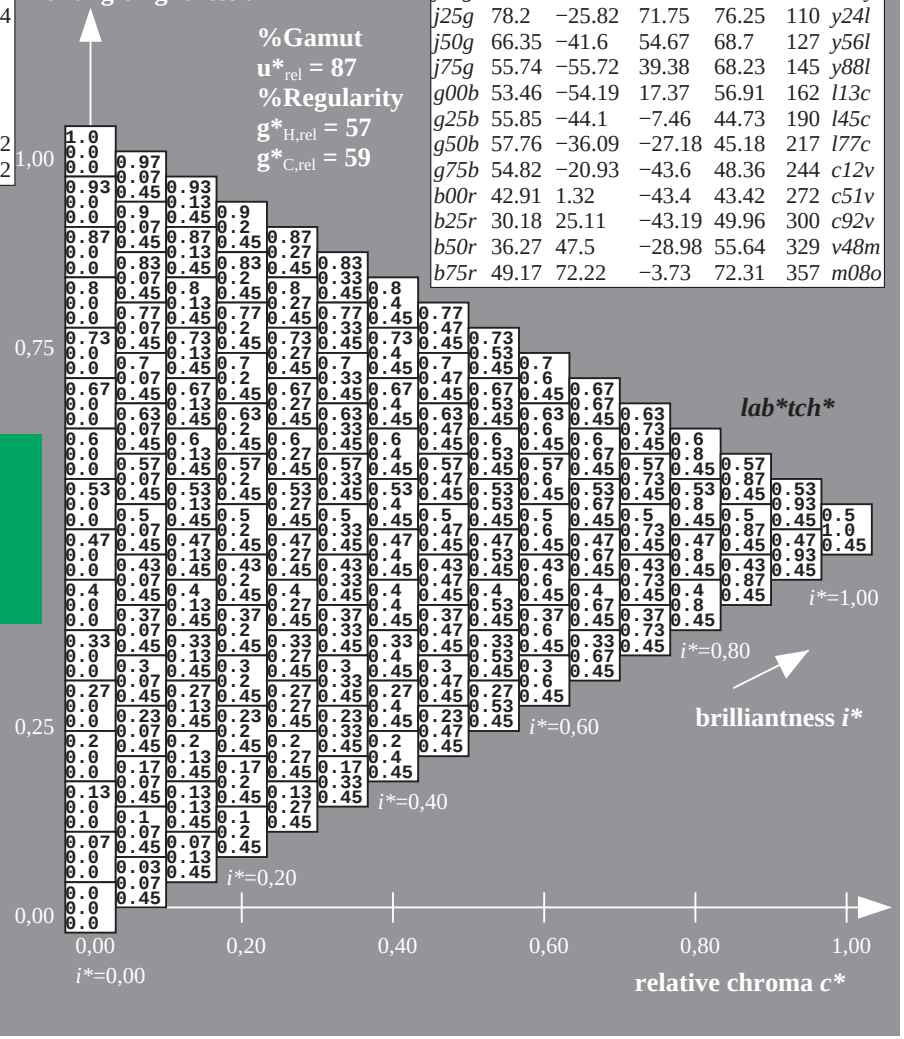
%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$



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

data for any colour:

*lab*tch** **and** *lab*icu**

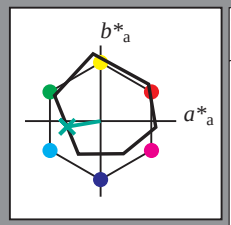
Hue texts:

$u^*_e = g25b$ $u^*_d = l45c$

contrast reduction factor:

$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 −44 −7

$LAB^*LCH^*_{Ma}$: 56 45 189

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.45

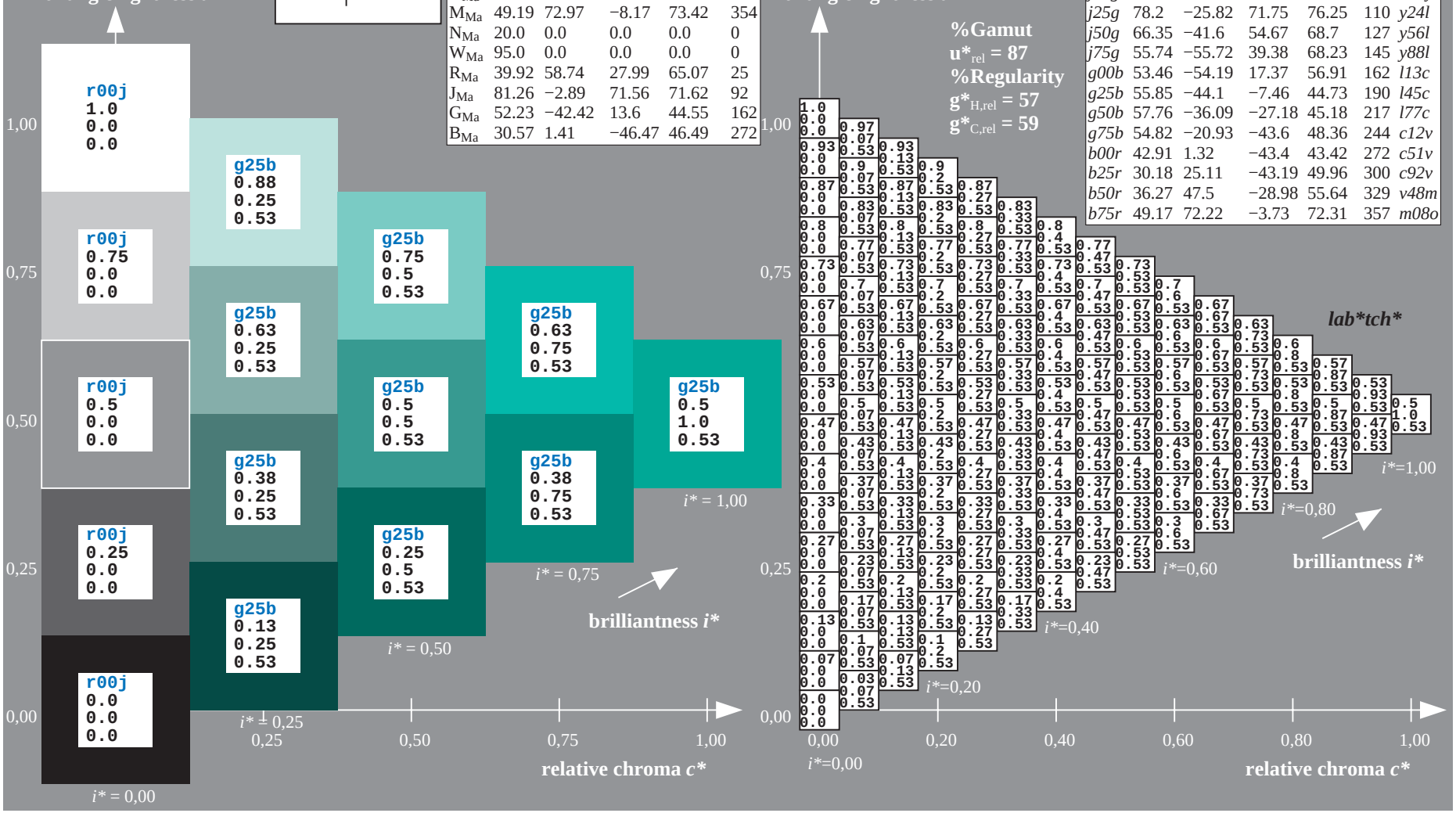
triangle lightness t^*

$u^*_e = g25b$

lab^*tch^*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

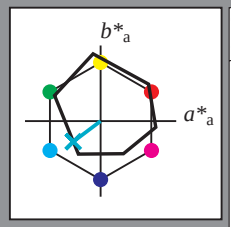
$u^*_e = g50b$
lab*tch*

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

Hue texts:
$u^*_e = g50b$ $u^*_d = l77c$

contrast reduction factor:
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 58 −36 −27**

***LAB*LCH**$_{Ma}$: 58 45 216**

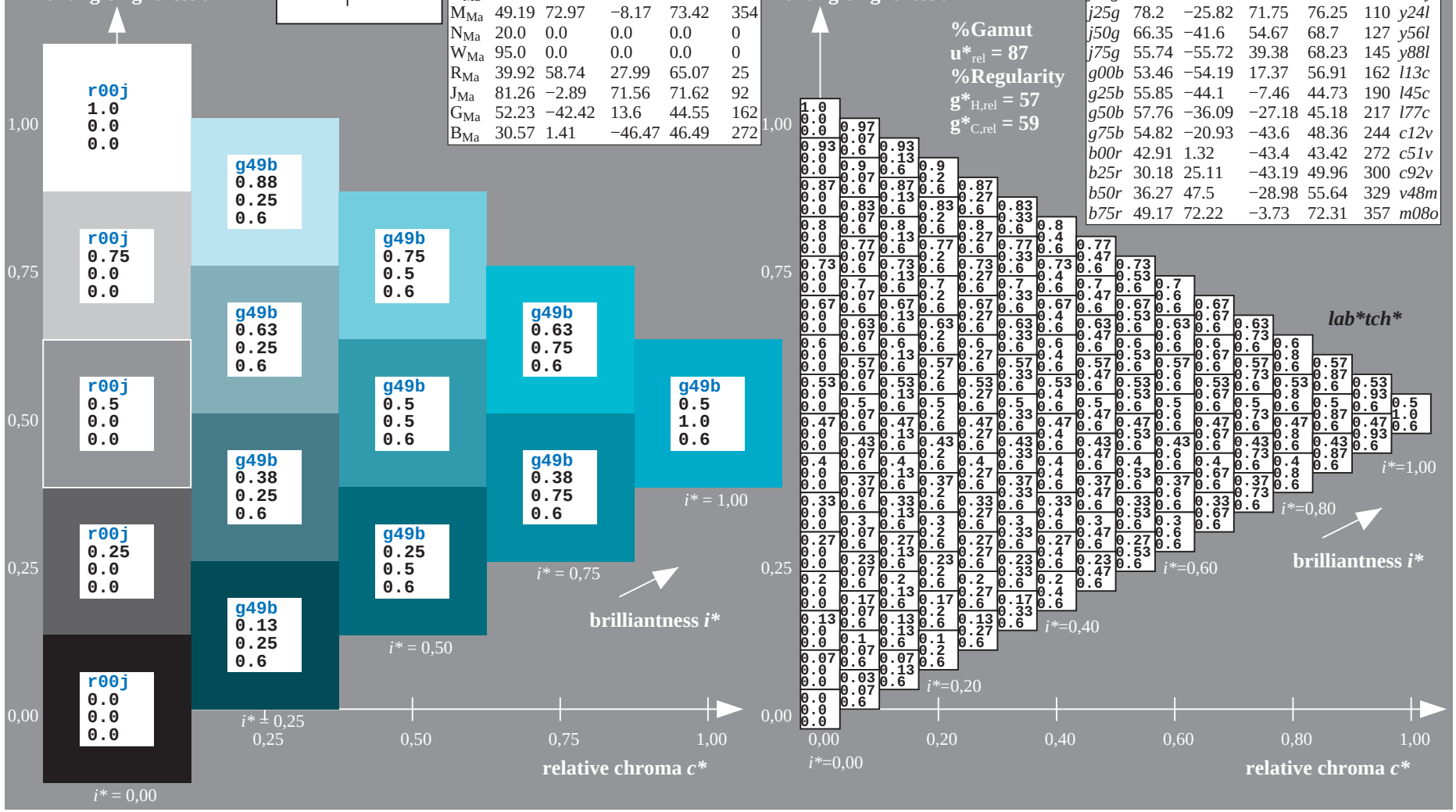
***lab*rgb**$_{Ma}$: 0.0 1.0 1.0**

***lab*olv**$_{Ma}$: 0.0 1.0 0.78**

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

triangle lightness *t**

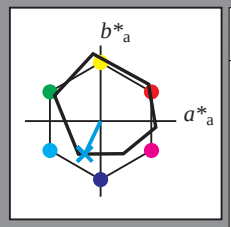
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



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

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

data for any colour:
lab*tch* and lab*icu*
Hue texts:
$u^*_e = g75b$ $u^*_d = c12v$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



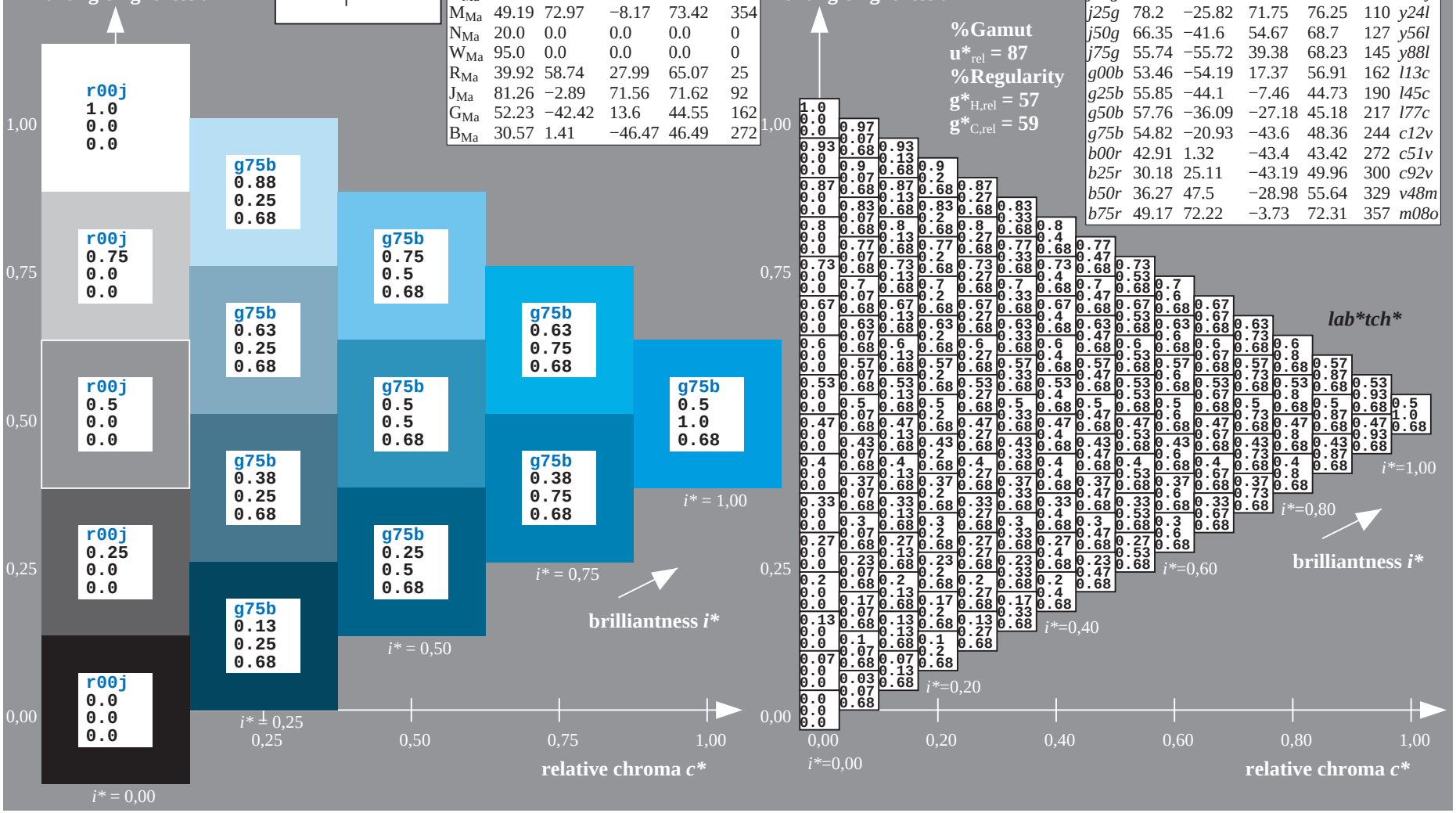
ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 55 −21 −44**
***LAB*LCH*$_{Ma}$*: 55 48 244**
***lab*rgb*$_{Ma}$*: 0.0 0.5 1.0**
***lab*olv*$_{Ma}$*: 0.0 0.88 1.0**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

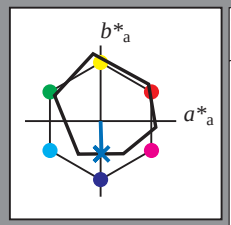
Hue texts:

u^*_e = *b00r* u^*_d = *c51v*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 43 1 −43**

***LAB*LCH*Ma*: 43 43 271**

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

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

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

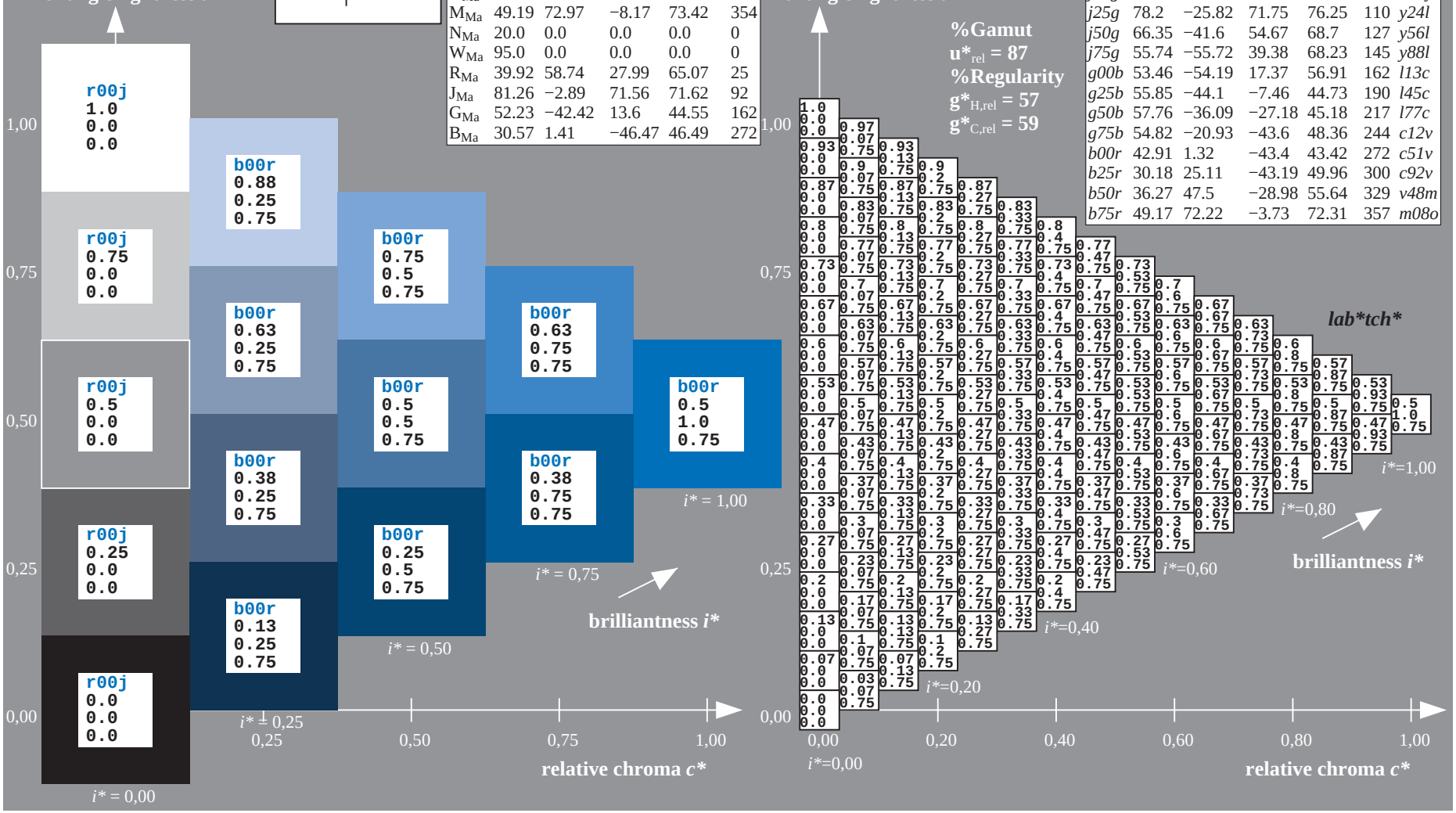
$g^*_{C,rel} = 59$

u^*_e = *b00r*

lab*tch*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

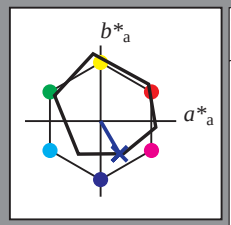
$u^*_e = b25r$
lab*tch*

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

Hue texts:
$u^*_e = b25r$ $u^*_d = c92v$

contrast reduction factor:
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 30 25 −43**

***LAB*LCH*Ma*: 30 50 300**

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

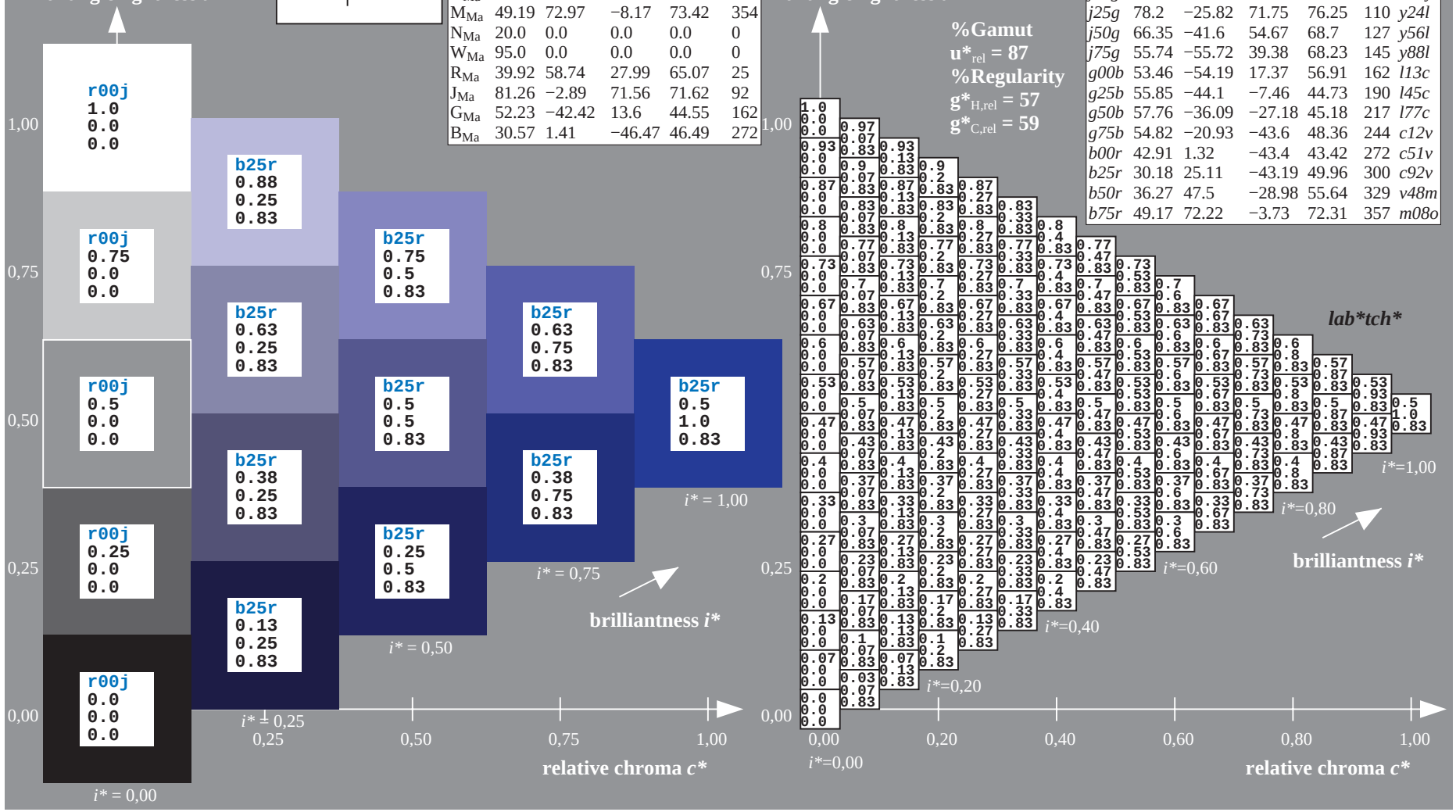
***lab*olv*Ma*: 0.0 0.07 1.0**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 57$



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

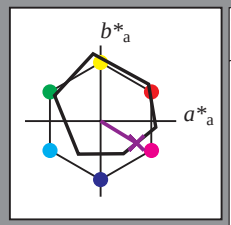
$u^*_e = b50r$
lab*tch*

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

Hue texts:
$u^*_e = b50r$ $u^*_d = v48m$

contrast reduction factor:
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 36 47 −29**

***LAB*LCH*$_{Ma}$*: 36 56 328**

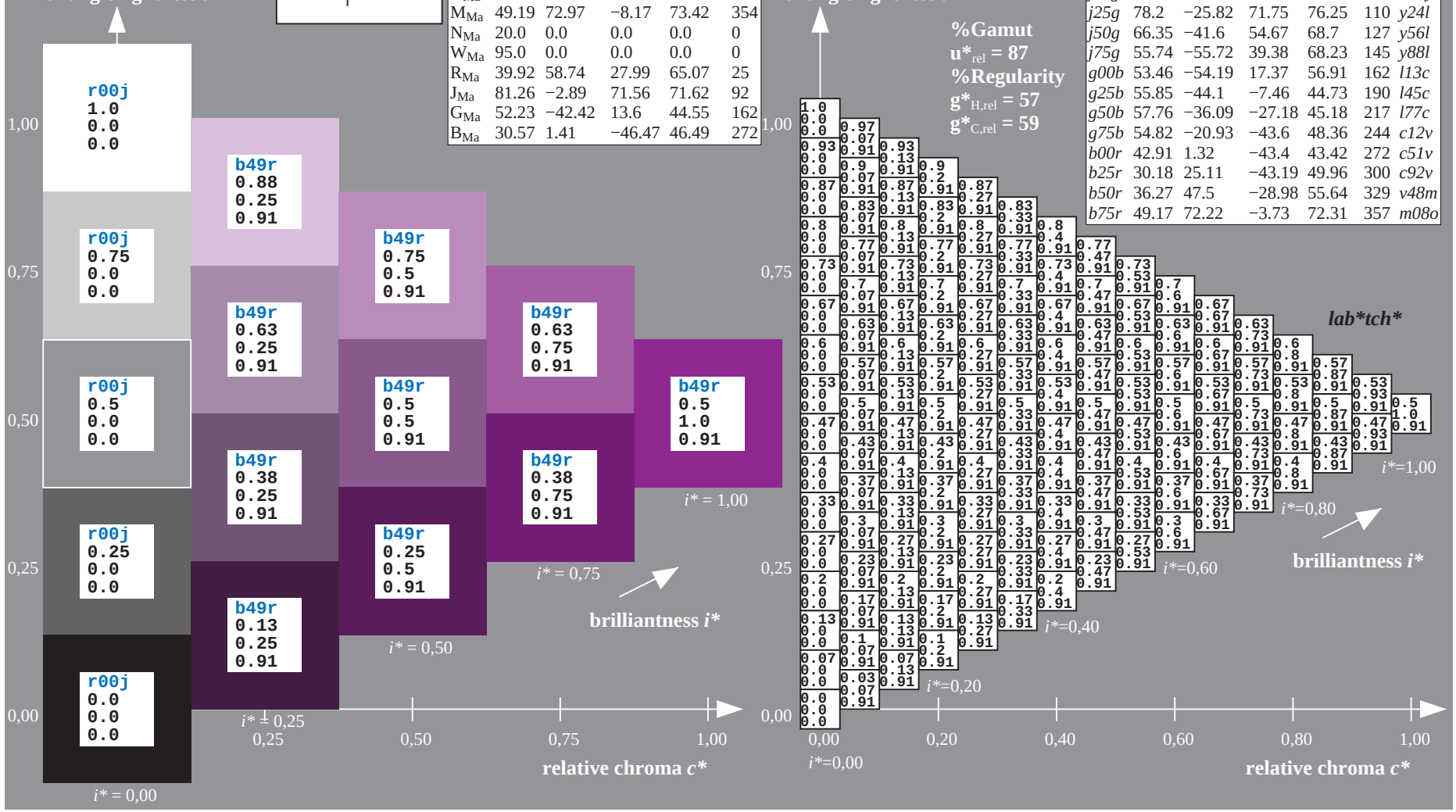
***lab*rgb*$_{Ma}$*: 1.0 0.0 1.0**

***lab*olv*$_{Ma}$*: 0.49 0.0 1.0**

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



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

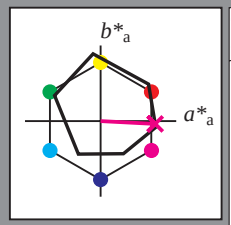
$u^*_e = b75r$
lab*tch*

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

Hue texts:
$u^*_e = b75r$ $u^*_d = m08o$

contrast reduction factor:
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 49 72 −4**

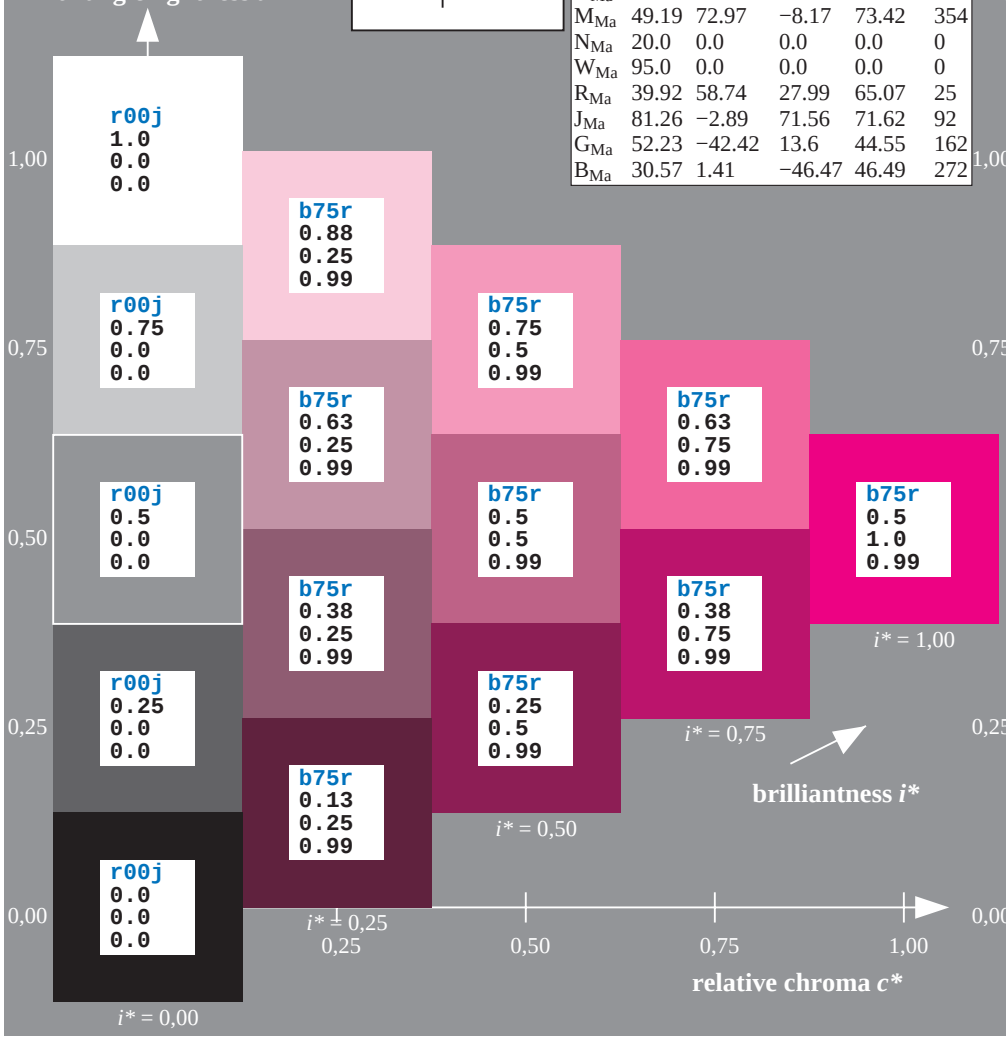
***LAB*LCH*$_{Ma}$*: 49 72 357**

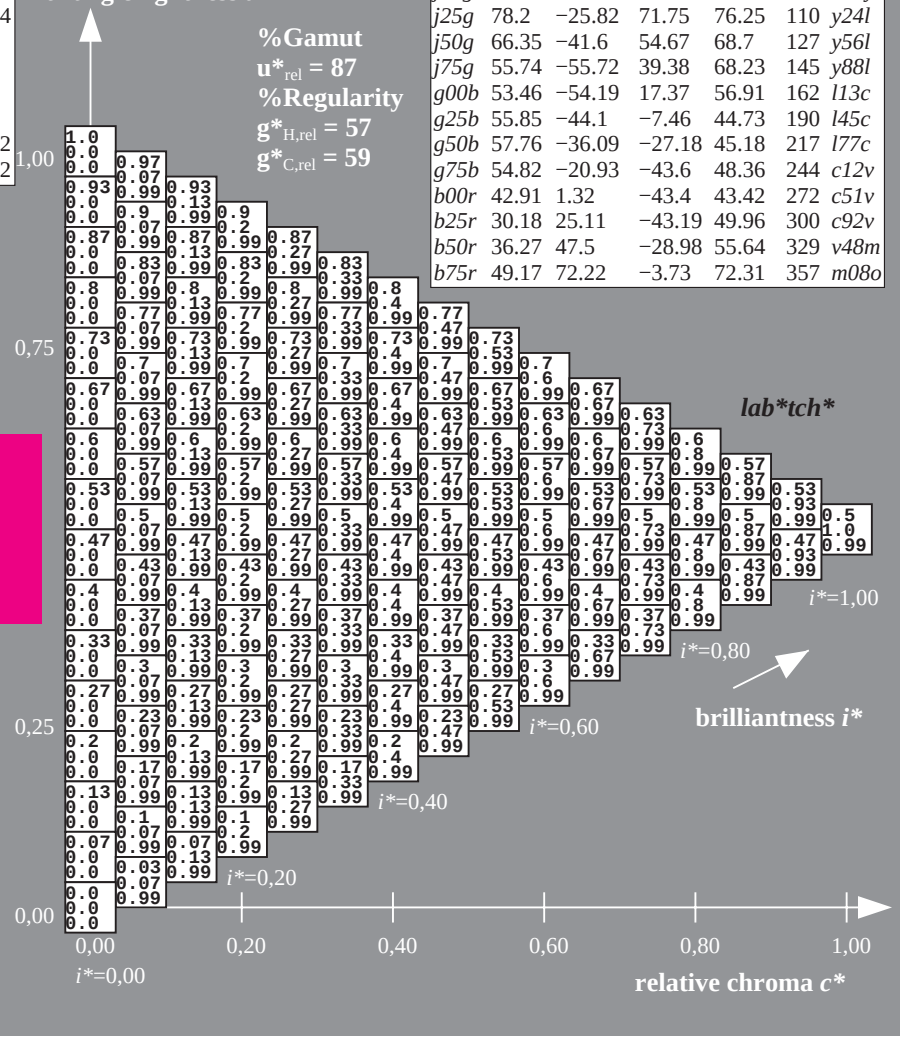
***lab*rgb*$_{Ma}$*: 1.0 0.0 0.5**

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

triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



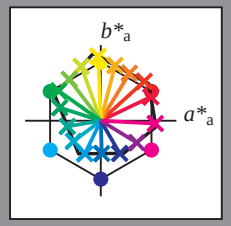


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	*lab*tch**			
01	0.0	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.06	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.13	0.13	0.13	0.19	0.25	0.31	0.38	0.44	0.5	1.0	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.0	0.0	0.0	0.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	0.0	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.1	0.27	0.34	0.37	0.38	0.39	0.39	0.4	0.4	0.1	0.19	0.27	0.32	0.34	0.36	0.37	0.38	0.38	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
02	0.06	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.13	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.13	0.13	0.13	0.13
	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	0.85	0.66	0.54	0.5	0.48	0.47	0.46	0.45	0.45	0.98	0.0	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.04	0.1	0.27	0.34	0.37	0.38	0.39	0.39	0.4	0.66	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
03	0.13	0.13	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.13	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.63	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.25	0.25	0.25	0.25
	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	0.85	0.75	0.66	0.58	0.54	0.51	0.5	0.49	0.48	0.91	0.85	0.66	0.54	0.5	0.48	0.47	0.46	0.45	0.98	0.98	0.0	0.42	0.42	0.42	0.42	0.42	0.42	0.66	0.66	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
04	0.19	0.19	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.19	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.56	0.19	0.25	0.31	0.31	0.38	0.44	0.5	0.56	0.63	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.38	0.38	0.38	0.38
	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.0	0.0	0.0	0.0
	0.85	0.78	0.72	0.66	0.6	0.56	0.54	0.52	0.51	0.89	0.85	0.75	0.66	0.58	0.54	0.51	0.5	0.49	0.94	0.91	0.85	0.66	0.54	0.5	0.48	0.47	0.46	0.66	0.66	0.66	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
05	0.25	0.25	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.25	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.56	0.25	0.31	0.38	0.38	0.38	0.44	0.5	0.56	0.63	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.5	0.5	0.5	0.5
	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	0.85	0.8	0.75	0.7	0.66	0.61	0.58	0.55	0.54	0.88	0.85	0.78	0.72	0.66	0.6	0.56	0.54	0.52	0.91	0.89	0.85	0.75	0.66	0.58	0.54	0.51	0.5	0.66	0.66	0.66	0.66	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
06	0.31	0.31	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.31	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.56	0.31	0.38	0.44	0.44	0.44	0.44	0.5	0.56	0.63	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.63	0.63	0.63	0.63
	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0
	0.85	0.81	0.77	0.73	0.69	0.66	0.62	0.59	0.57	0.87	0.85	0.8	0.75	0.7	0.66	0.61	0.58	0.55	0.9	0.88	0.85	0.78	0.72	0.66	0.6	0.56	0.54	0.66	0.66	0.66	0.66	0.66	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
07	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.38	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.56	0.38	0.44	0.5	0.5	0.5	0.5	0.5	0.56	0.63	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.75	0.75	0.75	0.75
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0
	0.85	0.82	0.78	0.75	0.72	0.69	0.66	0.62	0.6	0.87	0.85	0.81	0.77	0.73	0.69	0.66	0.62	0.59	0.89	0.87	0.85	0.8	0.75	0.7	0.66	0.61	0.58	0.66	0.66	0.66	0.66	0.66	0.66	0.0	0.1	0.1	0.0	0.0	0.0	0.0
08	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.44	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.56	0.44	0.5	0.56	0.56	0.56	0.56	0.56	0.56	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.06	0.88	0.88	0.88	0.88
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.0	0.0	0.0	0.0
	0.85	0.82	0.79	0.77	0.74	0.71	0.68	0.66	0.63	0.87	0.85	0.82	0.78	0.75	0.72	0.69	0.66	0.62	0.89	0.87	0.85	0.81	0.77	0.73	0.69	0.66	0.62	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.0	0.1	0.0	0.0	0.0	0.0
09	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.5	0.56	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.06	0.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	0.85	0.82	0.8	0.78	0.75	0.73	0.7	0.68	0.66	0.86	0.85	0.82	0.79	0.77	0.74	0.71	0.68	0.66	0.88	0.87	0.85	0.82	0.78	0.75	0.72	0.69	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.0	0.0	0.0	0.0
10	0.19	0.19	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.25	0.25	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.31	0.31	0.31	0.31	0.31	0.31	0.38	0.44	0.5	1.0	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.0	0.0	0.0	0.0
	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	0.1	0.16	0.21	0.27	0.31	0.33	0.34	0.35	0.36	0.1	0.15	0.19	0.23	0.27	0.3	0.32	0.33	0.34	0.1	0.14	0.17	0.2	0.24	0.27	0.29	0.31	0.32	0.0	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.0	0.0	0.0	0.0
11	0.19	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.56	0.25	0.31	0.31	0.31	0.31	0.38	0.44	0.5	0.56	0.31	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.56	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.07	0.07	0.07	0.07
	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	0.06	0.1	0.19	0.27	0.32	0.34	0.36	0.37	0.38	0.07	0.1	0.16	0.21	0.27	0.31	0.33	0.34	0.35	0.08	0.1	0.15	0.19	0.23	0.27	0.3	0.32	0.33	0.85	0.0	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.0	0.0	0.0	0.0
12	0.19	0.25	0.31	0.31	0.38	0.44	0.5	0.56	0.63	0.25	0.31	0.38	0.38	0.38	0.44	0.5	0.56	0.63	0.31	0.38	0.44	0.44	0.44	0.44	0.5	0.56	0.63	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.13	0.13	0.13	0.13
	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	0.02	0.04	0.1	0.27	0.34	0.37	0.38	0.39	0.39	0.04	0.06	0.1	0.19	0.27	0.32	0.34	0.36	0.37	0.06	0.07	0.1	0.16	0.21	0.27	0.31	0.33	0.34	0.85	0.85	0.0	0.27	0.27	0.27	0.27	0.27	0.27	0.0	0.0	0.0	0.0
13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.63	0.69	0.25	0.31	0.38	0.44	0.44	0.5	0.56	0.63	0.69	0.31	0.38	0.44	0.5	0.5	0.5	0.56	0.63	0.69	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.2	0.2	0.2	0.2
	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.0	0.0	0.0	0.0
	0.98	0.98	0.98	0.0	0.42	0.42	0.42	0.42	0.42	0.01	0.02	0.04	0.1	0.27	0.34	0.37	0.38	0.39	0.03	0.04	0.06	0.1	0.19	0.27	0.32	0.34	0.36	0.85	0.85	0.85	0.0	0.27	0.27	0.27	0.27	0.27	0.0	0.0	0.0	0.0
14	0.25	0.31	0.38	0.44	0.44	0.5	0.56	0.63	0.69	0.25	0.31	0.38	0.44	0.5	0.56	0.63	0.69	0.75	0.31	0.38	0.44	0.5	0.56	0.56	0.63	0.69	0.75	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.27	0.27	0.27	0.27
	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	0.95	0.94	0.91	0.85	0.66	0.54	0.5	0.48	0.47	0.98	0.98	0.98	0.98	0.0	0.42	0.42	0.42	0.42	0.01	0.01	0.02	0.04	0.1	0.27	0.34	0.37	0.38	0.85	0.85	0.85	0.85	0.0	0.27	0.27	0.27	0.27	0.0	0.0	0.0	0.0
15	0.31	0.38	0.44	0.5	0.5	0.5	0.56	0.63	0.69	0.31	0.38	0.44	0.5	0.56	0.56	0.63	0.69	0.75	0.31	0.38	0.44	0.5	0.56	0.63	0.69	0.75	0.81	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.33	0.33	0.33	0.33
	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0
	0.93	0.91	0.89	0.85	0.75	0.66	0.58	0.54	0.51	0.96	0.95	0.94	0.91	0.85	0.66	0.54	0.5	0.48	0.98	0.98	0.98	0.98	0.98	0.0	0.42	0.42	0.42	0.85	0.85	0.85	0.85	0.85	0.0	0.27	0.27	0.27	0.0	0.0	0.0	0.0
16	0.38	0.44	0.5	0.56	0.56	0.56	0.56	0.63	0.69	0.38	0.44	0.5	0.56	0.63	0.63	0.63	0.69	0.75	0.38	0.44	0.5	0.56	0.63	0.69	0.69	0.75	0.81	0.63	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.4	0.4	0.4	0.4
	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0
	0.91	0.9	0.88	0.85	0.78	0.72	0.66	0.6	0.56	0.94	0.93	0.91	0.89	0.85	0.75	0.66	0.58	0.54	0.96	0.96	0.95	0.94	0.91	0.85	0.66	0.54	0.5	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.27	0.27	0.0	0.0	0.0	0.0
17	0.44	0.5	0.56	0.63	0.63	0.63	0.63	0.63	0.69	0.44	0.5	0.56	0.63	0.69	0.69	0.69	0.69	0.75	0.44	0.5	0.56	0.63	0.69	0.75	0.75	0.75	0.81	0.56	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.06	0.47	0.47	0.47	0.47
	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.0	0.0	0.0	0.0
	0.91	0.89	0.87	0.85	0.8	0.75	0.7	0.66	0.61	0.92	0.91	0.9	0.88	0.85	0.78	0.72	0.66	0.6	0.94	0.94	0.93	0.91	0.89	0.85	0.75	0.66	0.58	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.27	0.27	0.0	0.0	0.0	0.0
18	0.5	0.56	0.63	0.69	0.69	0.69	0.69	0.69	0.69	0.5	0.56	0.63	0.69	0.75	0.75	0.75	0.75	0.75	0.5	0.56	0.63	0.69	0.75	0.81	0.81	0.81	0.81	0.5	0.44	0.38	0.31	0.25	0.19	0.13	0.06	0.0	0.53	0.53	0.53	0.53
	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	0.9	0.89	0.87	0.85	0.81	0.77	0.73	0.69	0.66	0.91	0.91	0.89	0.87	0.85	0.8	0.75	0.7	0.66	0.93	0.92	0.91	0.9	0.88	0.85	0.78	0.72	0.66	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.0	0.0	0.0	0.0	0.0
19	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.44	0.5	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.6	0.6	0.6	0.6
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	0.1	0.13	0.16	0.19	0.21	0.24	0.27	0.29	0.31	0.1	0.13	0.15	0.17	0.2	0.22	0.24	0.27	0.29	0.1	0.12	0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.0	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.0	0.0	0.0	0.0
20	0.38	0.44	0.44	0.44	0.44	0.44	0.44	0.5	0.56	0.44	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.56	0.5	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.67	0.67	0.67	0.67
	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	0.08	0.1	0.14	0.17	0.2	0.24	0.27	0.29	0.31	0.09	0.1	0.13	0.16	0.19	0.21	0.24	0.27	0.29	0.09	0.1	0.13	0.15	0.17	0.2	0.22	0.24	0.27	0.98	0.0	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.0	0.0	0.0	0.0
21	0.38	0.44	0.5	0.5	0.5	0.5	0.5	0.56	0.63	0.44	0.5	0.56	0.56	0.56	0.56	0.56	0.56	0.63	0.5	0.56	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.73	0.73	0.73	0.73
	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	0.06	0.08	0.1	0.15	0.19	0.23	0.27	0.3	0.32	0.07	0.08	0.1	0.14	0.17	0.2	0.24	0.27	0.29	0.07	0.09	0.1	0.13	0.16	0.19	0.21	0.24	0.27	0.98	0.98	0.0	0.42	0.42	0.42	0.42	0.42	0.42	0.0	0.0	0.0	0.0
22	0.38	0.44	0.5	0.56	0.56	0.56	0.56	0.63	0.69	0.44	0.5	0.56	0.63	0.63	0.63	0.63	0.63	0.69	0.5	0.56	0.63	0.69	0.69	0.69	0.69	0.69	0.69	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.8	0.8	0.8	0.8
	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.25	0.13	0.0	0.13

Input and output:
Colorimetric Printer Reflective System ORS18_95aM
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.97

ORS18_95aM; adapted (a) CIELAB data

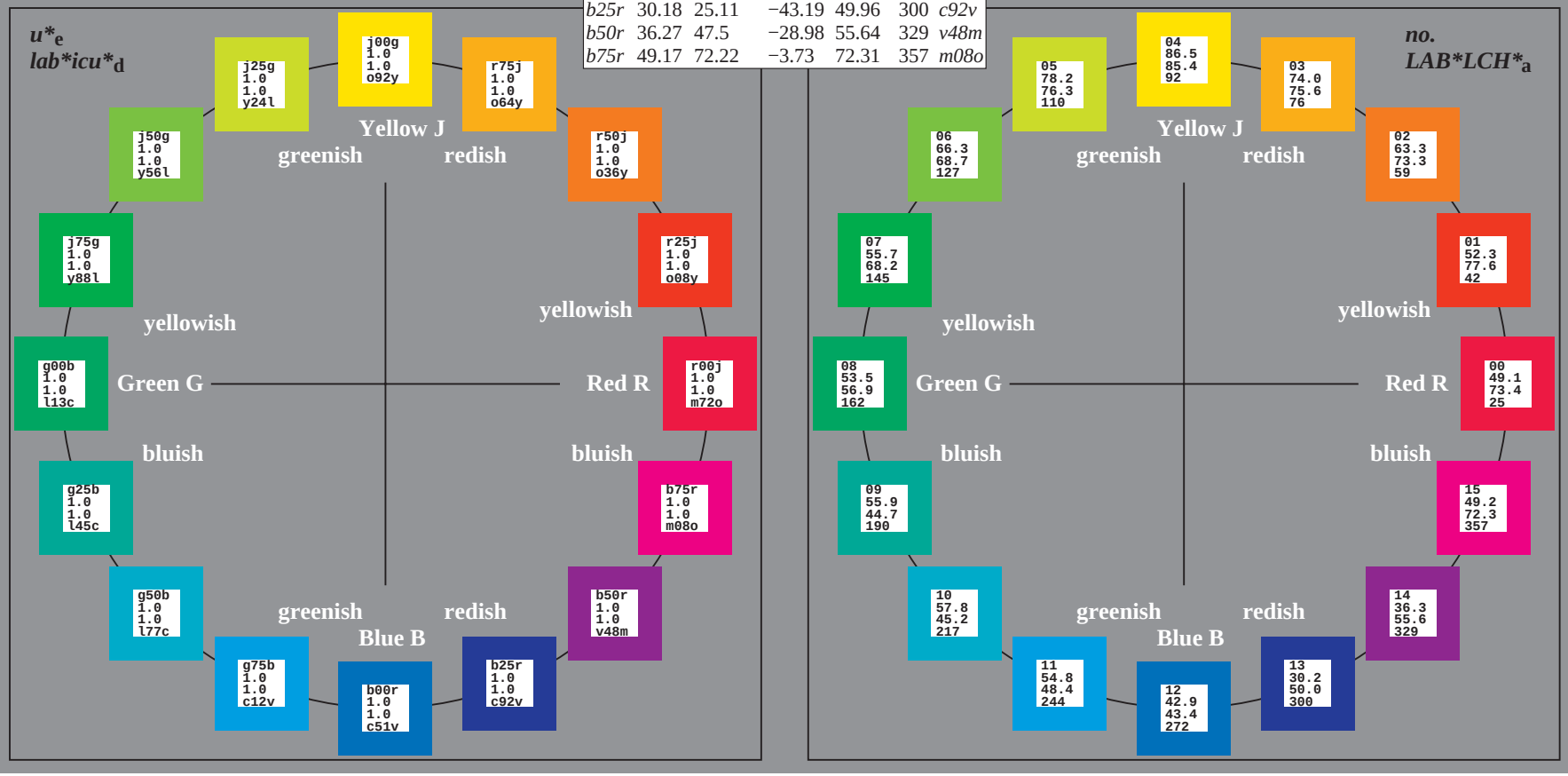
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

lab*tch **and** ***lab*icu****

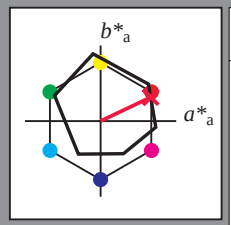
Hue texts:

u^*_e = *r00j* u^*_d = *m72o*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 49 66 32**

***LAB*LCH*Ma*: 49 73 25**

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

***lab*olv*Ma*: 1.0 0.0 0.28**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

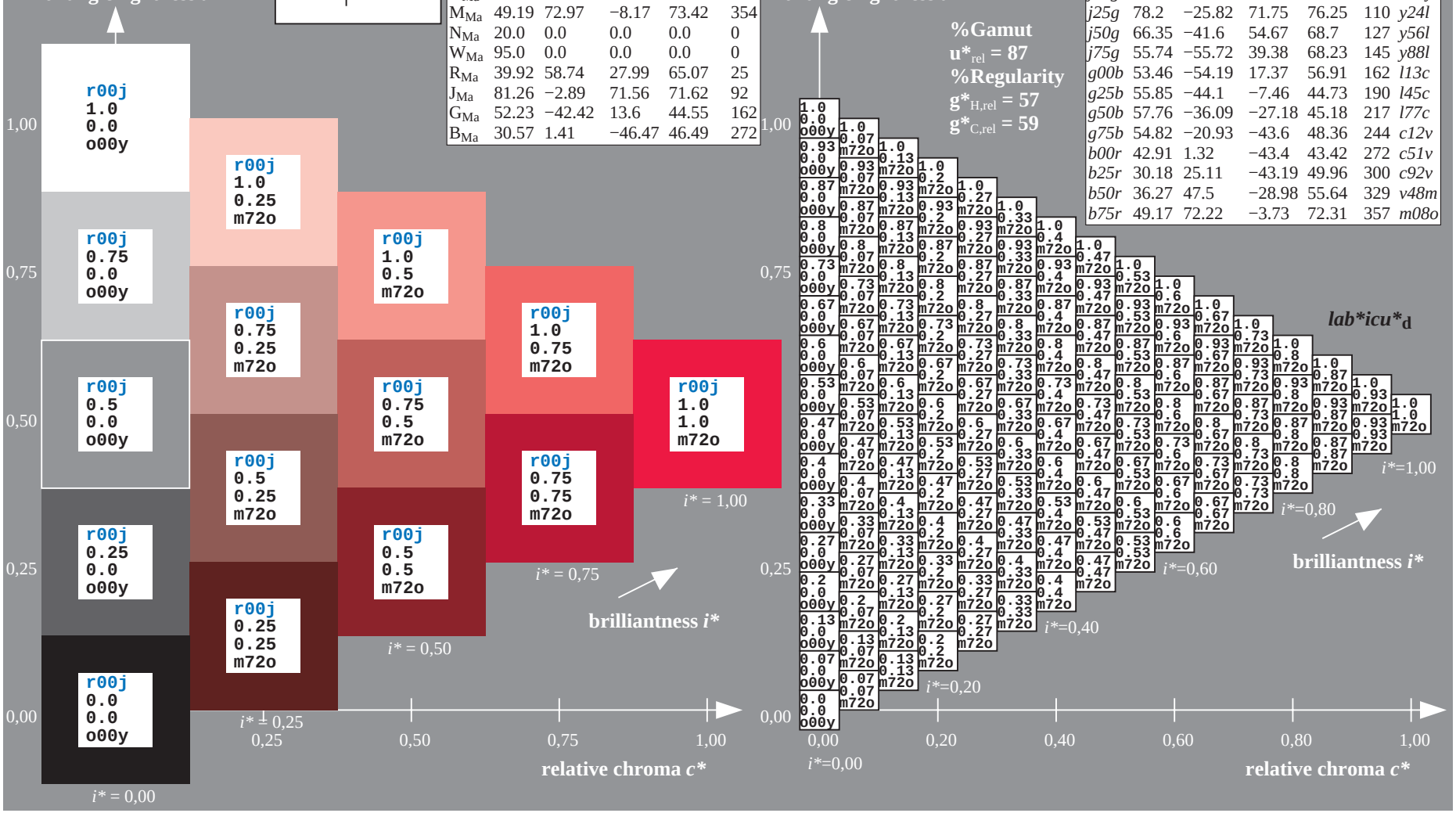
$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

u^*_e = *r00j*

lab*icu*d

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

data for any colour:

*lab*tch** and *lab*icu**

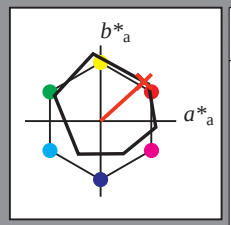
Hue texts:

u^*_e = *r25j* u^*_d = *o08y*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 52 57 52**

***LAB*LCH*Ma*: 52 78 42**

***lab*rgb*Ma*: 1.0 0.25 0.0**

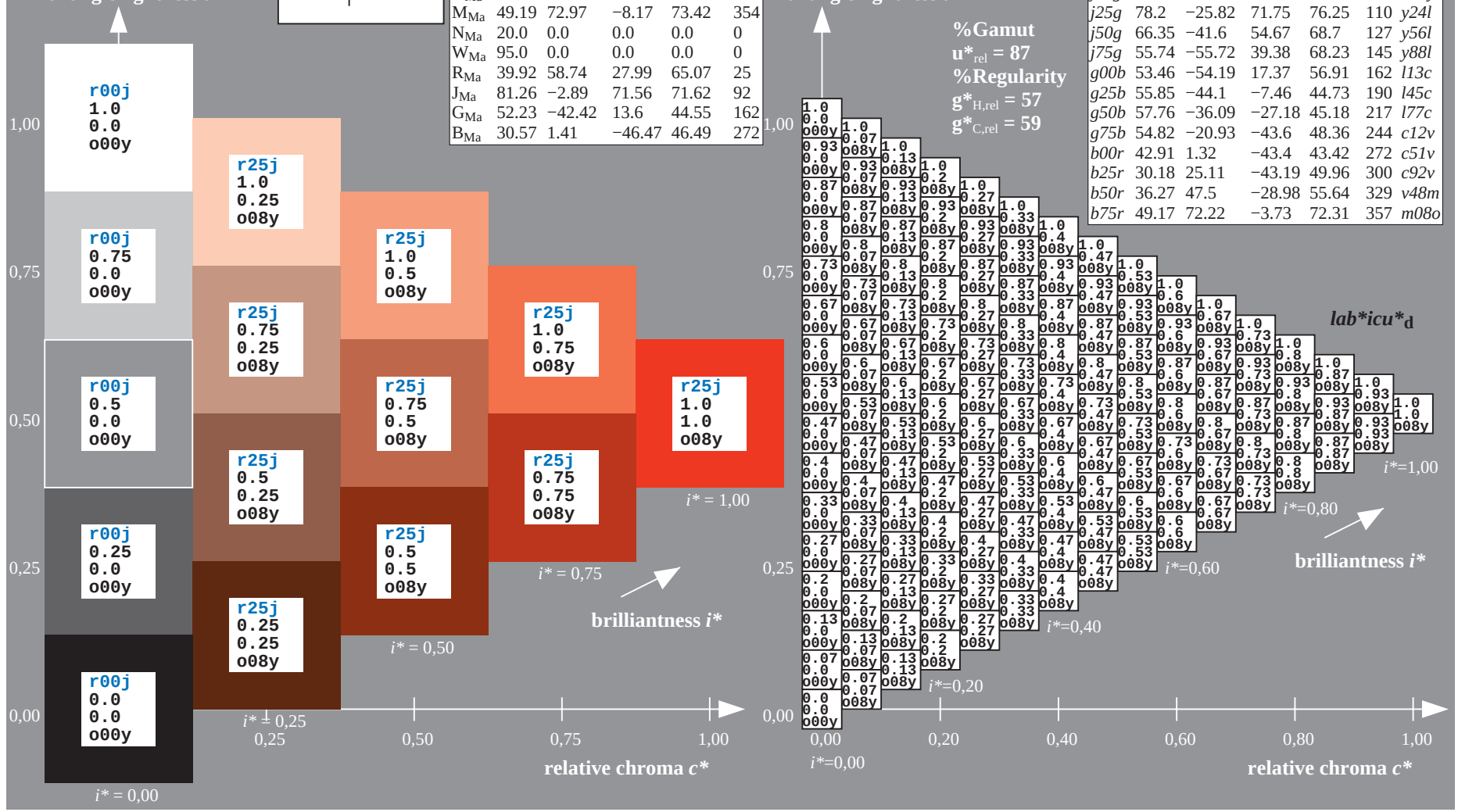
***lab*olv*Ma*: 1.0 0.08 0.0**

triangle lightness *t**

u^*_e = *r25j*

*lab*icu*d*

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

*lab*tch** and *lab*icu**

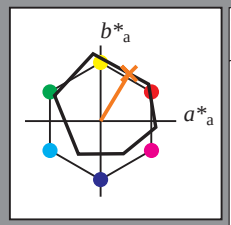
Hue texts:

$u^*_e = r50j$ $u^*_d = o36y$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 63 38 63**

***LAB*LCH*Ma*: 63 73 58**

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

***lab*olv*Ma*: 1.0 0.36 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

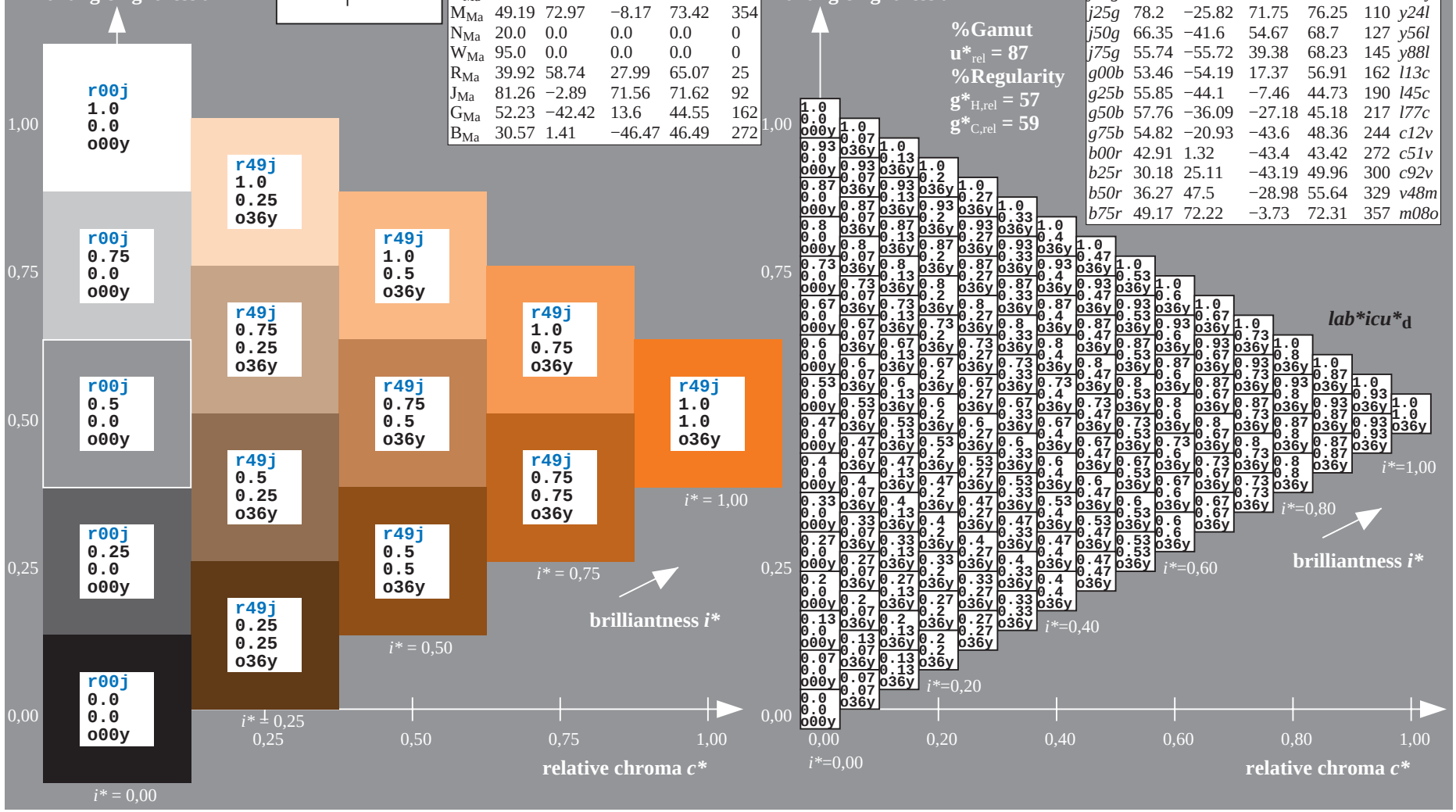
$g^*_{C,rel} = 59$

$u^*_e = r50j$

$lab^*icu^*_d$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

*lab*tch** and *lab*icu**

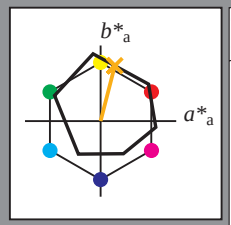
Hue texts:

u^*_e = *r75j* u^*_d = *o64y*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 74 19 73

*LAB*LCH**$_{Ma}$: 74 76 75

*lab*rgb**$_{Ma}$: 1.0 0.75 0.0

*lab*olv**$_{Ma}$: 1.0 0.65 0.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

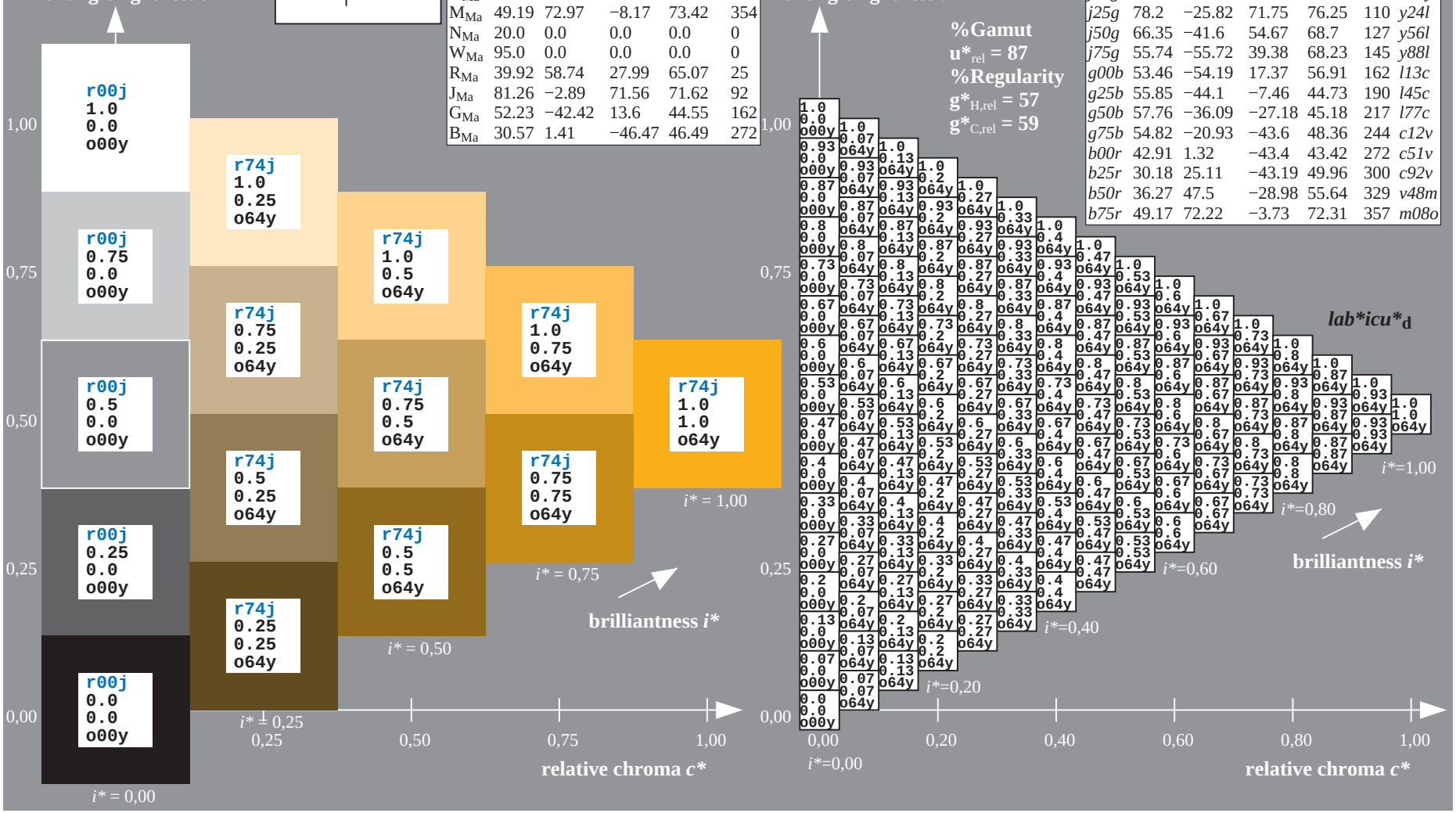
$g^*_{C,rel} = 59$

u^*_e = *r75j*

*lab*icu**$_d$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

*lab*tch** and *lab*icu**

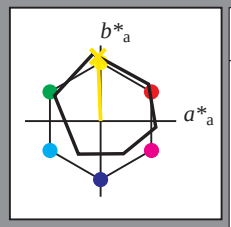
Hue texts:

u^*_e = *j00g* u^*_d = *o92y*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 86 −3 85**

***LAB*LCH*Ma*: 86 85 92**

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

***lab*olv*Ma*: 1.0 0.93 0.0**

triangle lightness *t**

u^*_e = *j00g*

lab*icu*d

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

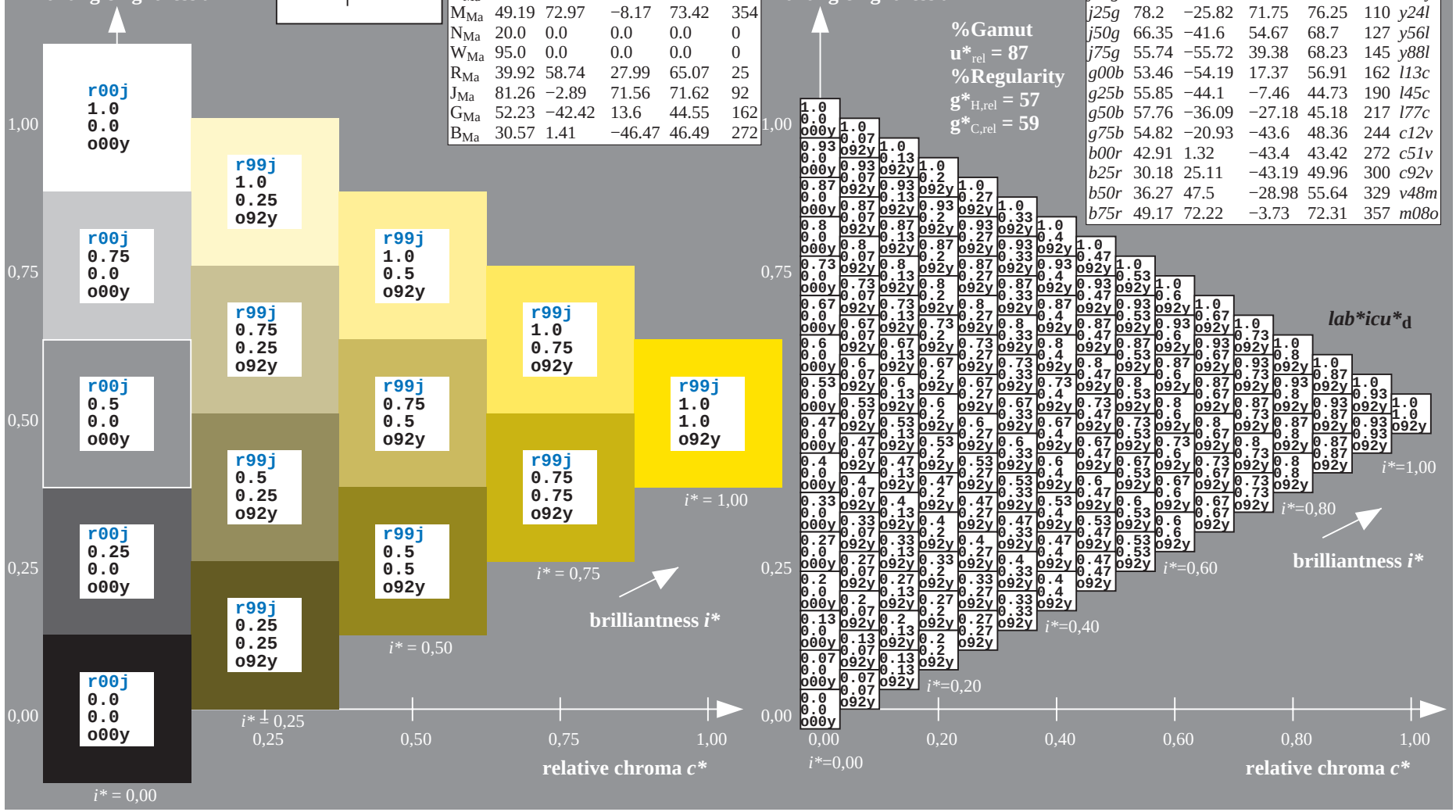
%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

*lab*tch** and *lab*icu**

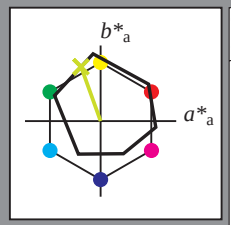
Hue texts:

$u^*_e = j25g$ $u^*_d = y24l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 78 −26 72**

***LAB*LCH*Ma*: 78 76 109**

***lab*rgb*Ma*: 0.75 1.0 0.0**

***lab*olv*Ma*: 0.75 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

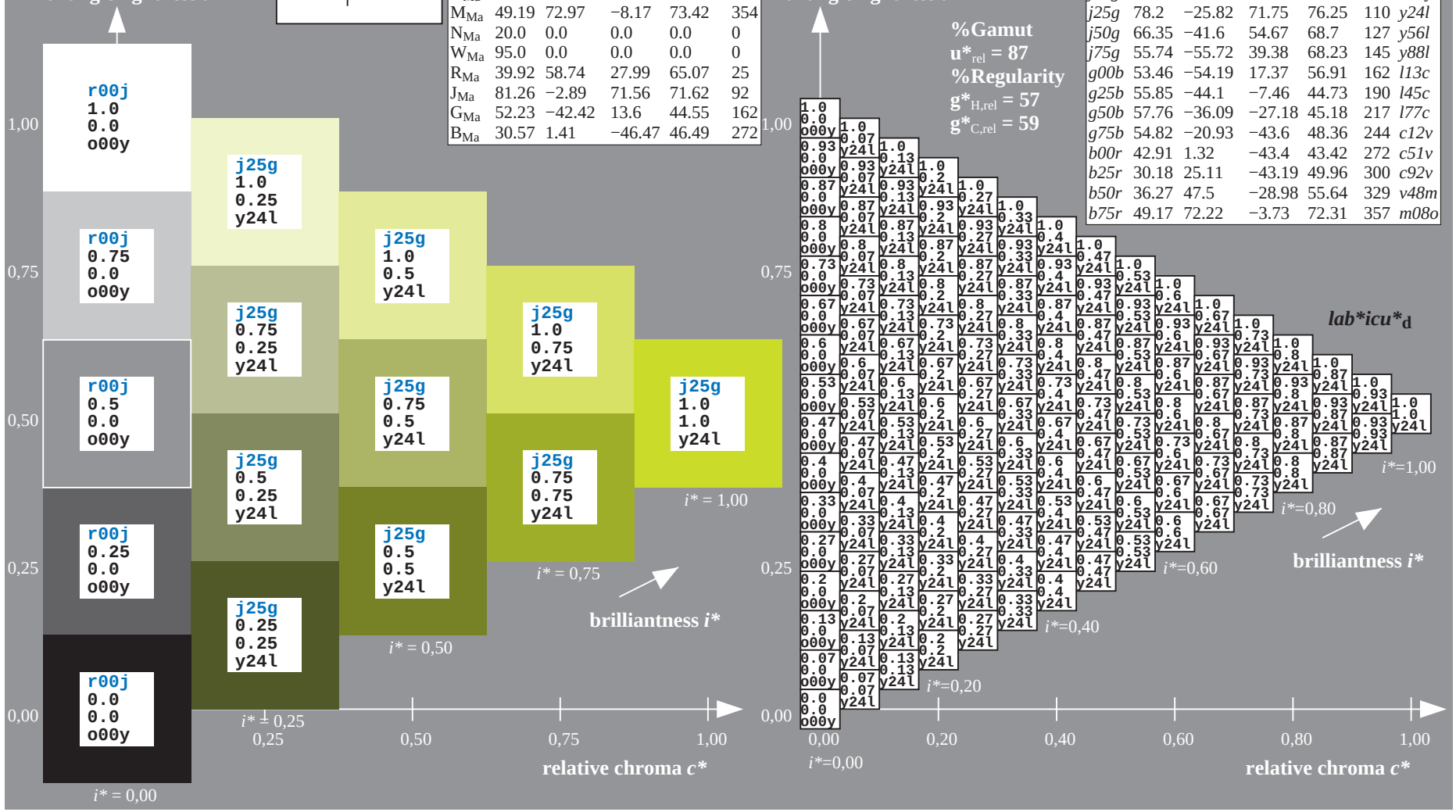
$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$u^*_e = j25g$

$lab^*icu^*_d$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

*lab*tch** and *lab*icu**

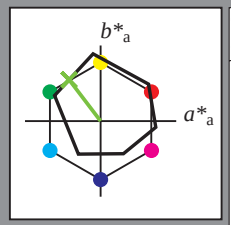
Hue texts:

$u^*_e = j50g$ $u^*_d = y56l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 66 −42 55**

***LAB*LCH*Ma*: 66 69 127**

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

***lab*olv*Ma*: 0.43 1.0 0.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

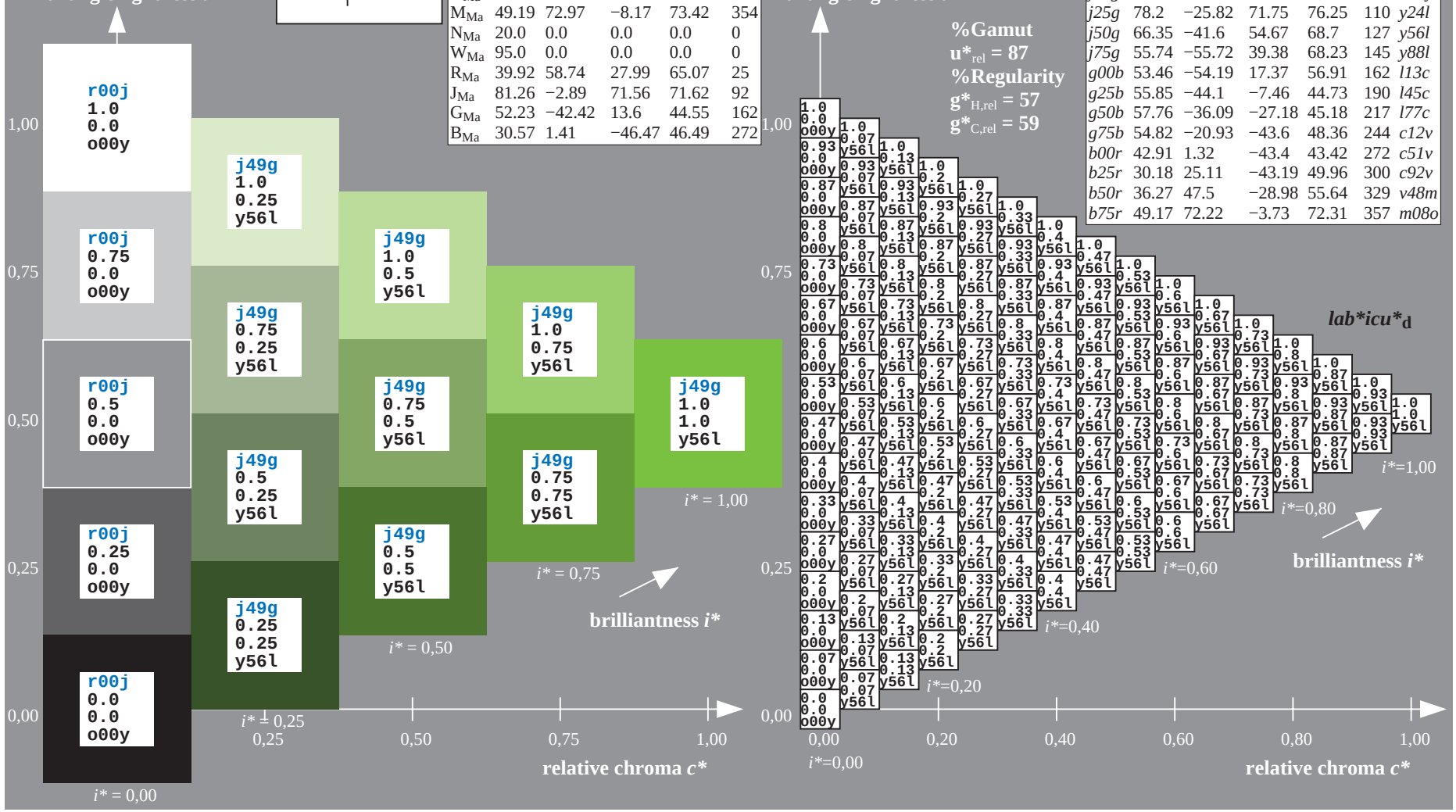
$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$u^*_e = j50g$

lab*icu*d

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

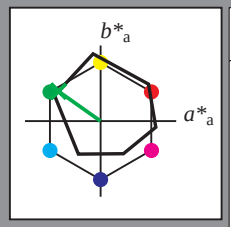
$u^*_e = j75g$
$lab^*icu^*_d$

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

Hue texts:
$u^*_e = j75g$ $u^*_d = y88l$

contrast reduction factor:
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 56 −56 39**

***LAB*LCH*$_{Ma}$*: 56 68 144**

***lab*rgb*$_{Ma}$*: 0.25 1.0 0.0**

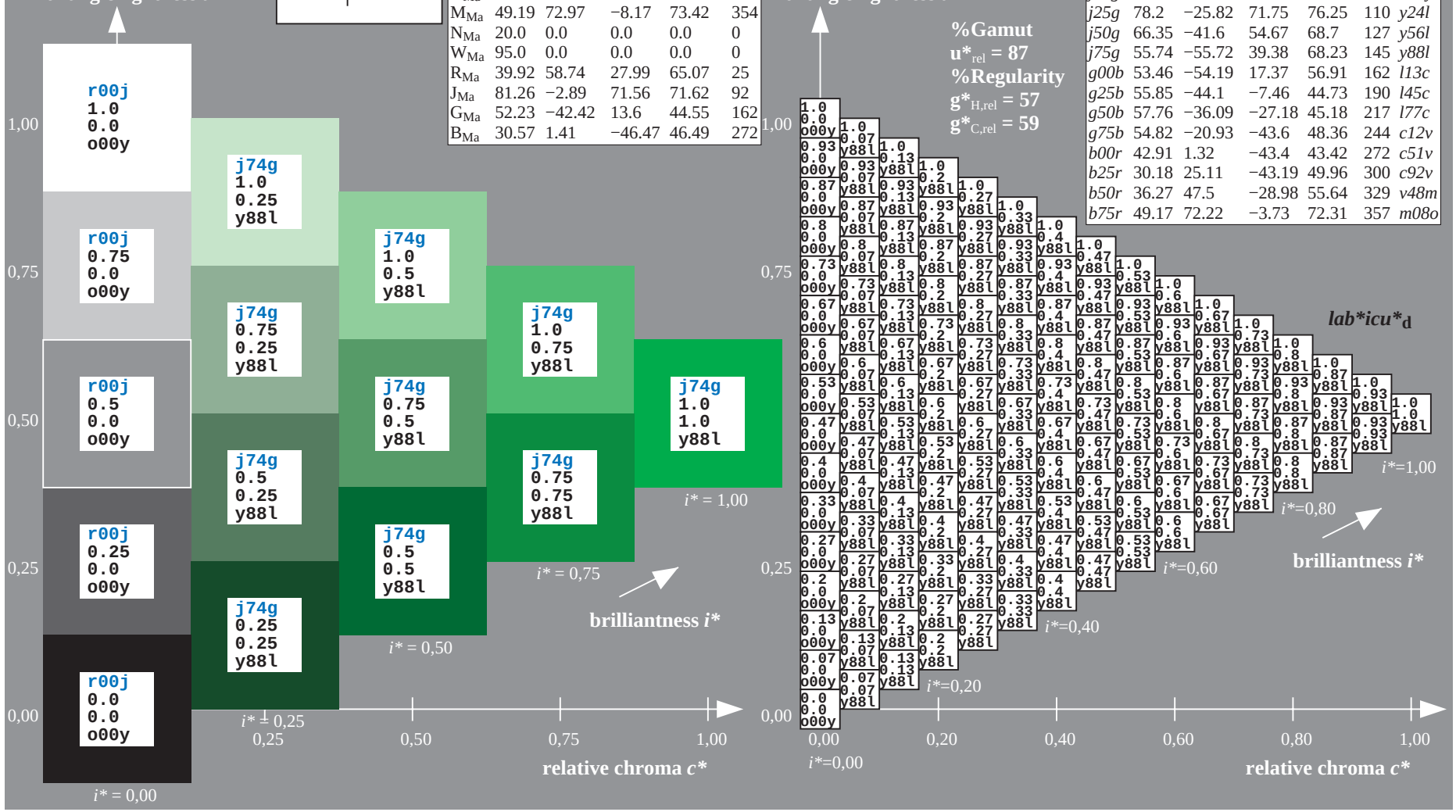
***lab*olv*$_{Ma}$*: 0.11 1.0 0.0**

triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

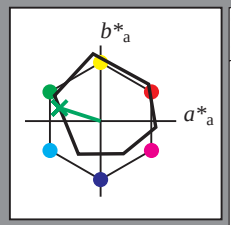
Hue texts:

u^*_e = *g00b* u^*_d = *l13c*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 53 −54 17**

***LAB*LCH*$_{Ma}$*: 53 57 162**

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

***lab*olv*$_{Ma}$*: 0.0 1.0 0.13**

triangle lightness *t**

%Gamut

u^*_{rel} = 87

%Regularity

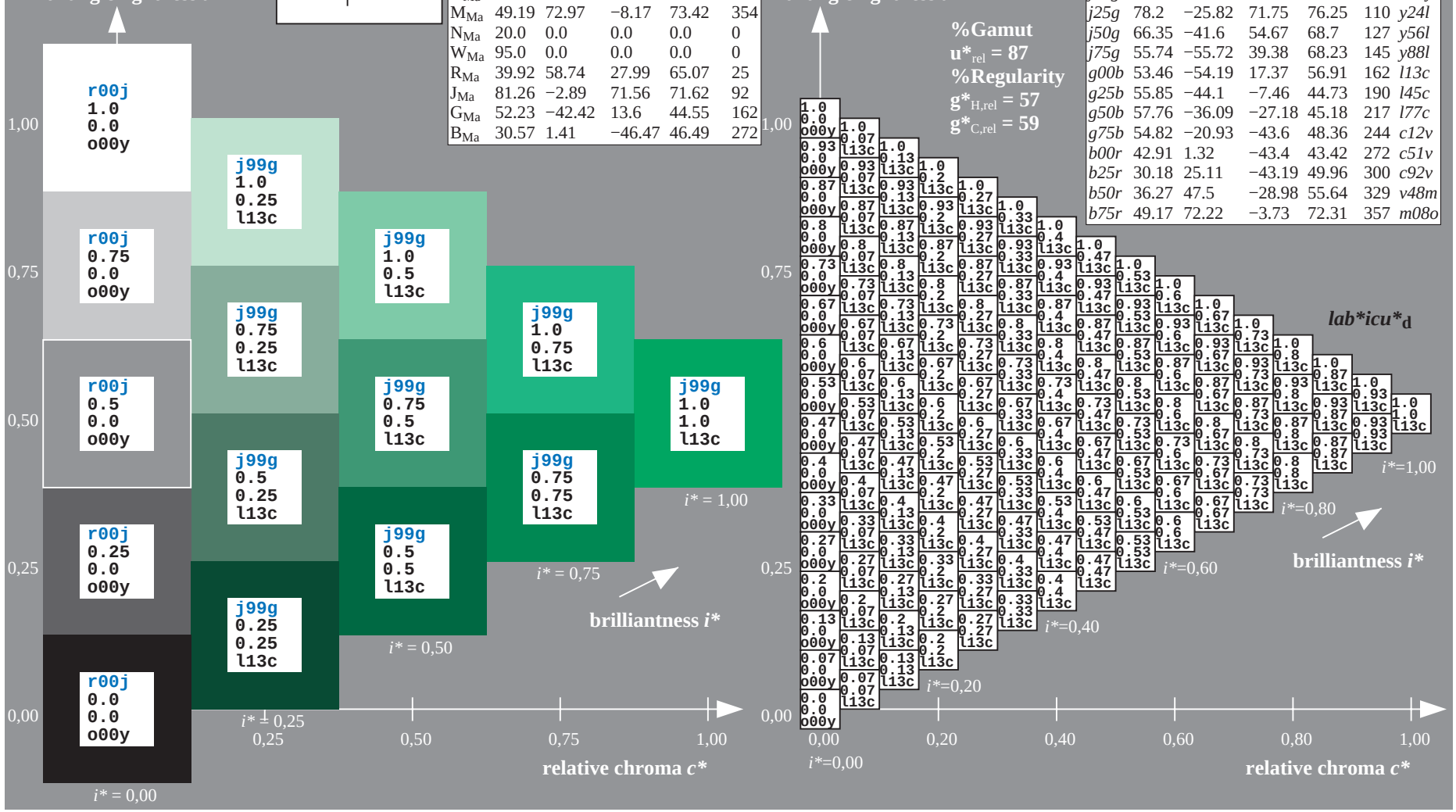
$g^*_{H,rel}$ = 57

$g^*_{C,rel}$ = 59

u^*_e = *g00b*

lab*icu*$_d$

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

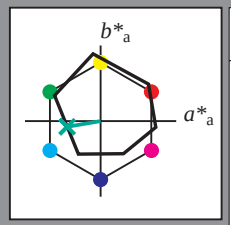
Hue texts:

$u^*_e = g25b$ $u^*_d = l45c$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38	
Y_{Ma}	90.12	−9.95	88.92	89.48	96	
L_{Ma}	51.87	−60.87	33.81	69.63	151	
C_{Ma}	59.35	−29.39	−43.68	52.65	236	
V_{Ma}	27.47	30.17	−43.15	52.65	305	
M_{Ma}	49.19	72.97	−8.17	73.42	354	
N_{Ma}	20.0	0.0	0.0	0.0	0	
W_{Ma}	95.0	0.0	0.0	0.0	0	
R_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 56 −44 −7

*LAB*LCH**$_{Ma}$: 56 45 189

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

*lab*olv**$_{Ma}$: 0.0 1.0 0.45

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

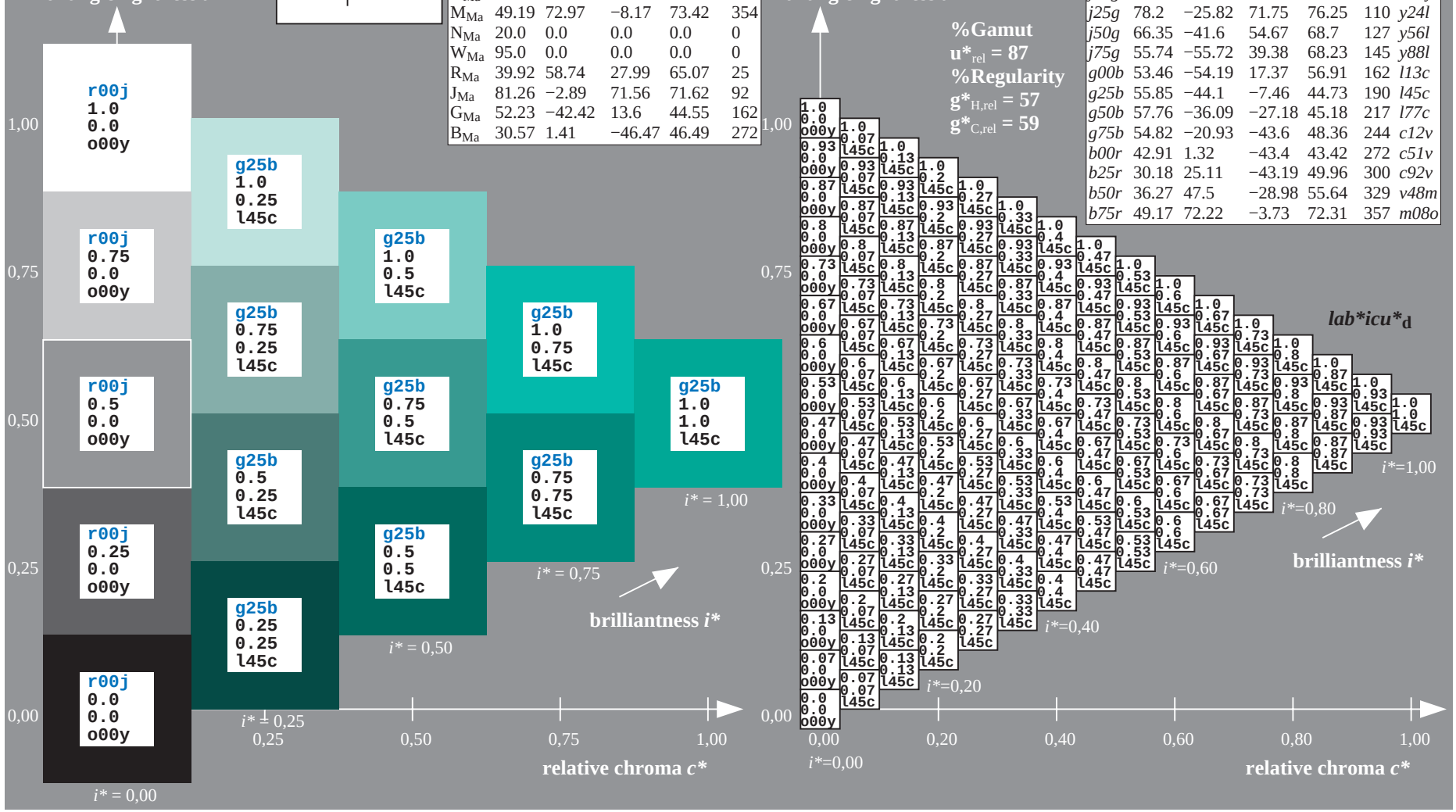
$g^*_{C,rel} = 59$

$u^*_e = g25b$

*lab*icu**$_d$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

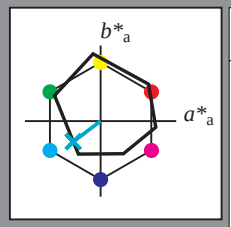
Hue texts:

u^*_e = *g50b* u^*_d = *l77c*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38	
Y_{Ma}	90.12	−9.95	88.92	89.48	96	
L_{Ma}	51.87	−60.87	33.81	69.63	151	
C_{Ma}	59.35	−29.39	−43.68	52.65	236	
V_{Ma}	27.47	30.17	−43.15	52.65	305	
M_{Ma}	49.19	72.97	−8.17	73.42	354	
N_{Ma}	20.0	0.0	0.0	0.0	0	
W_{Ma}	95.0	0.0	0.0	0.0	0	
R_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 58 −36 −27

*LAB*LCH**$_{Ma}$: 58 45 216

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

*lab*olv**$_{Ma}$: 0.0 1.0 0.78

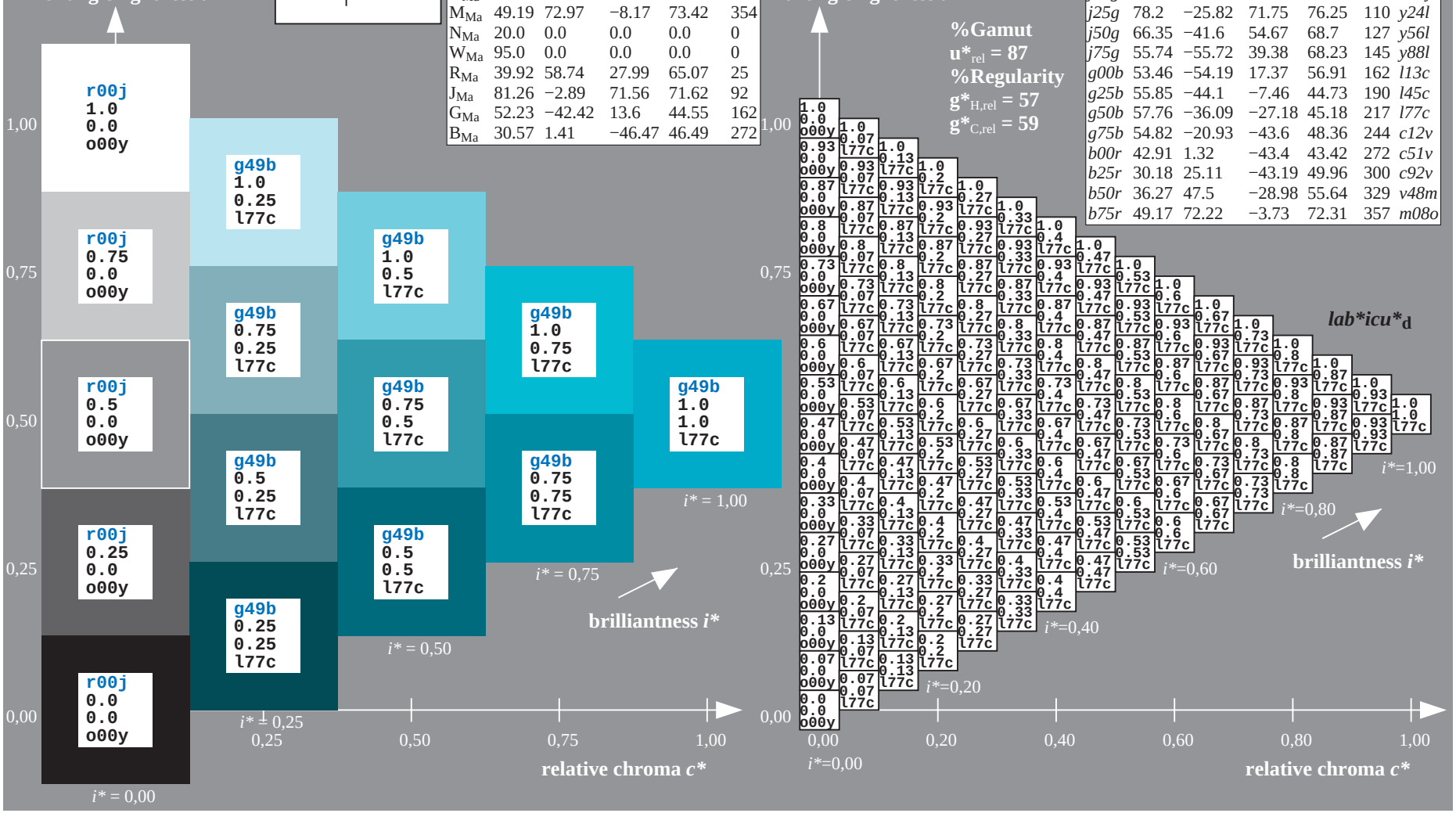
triangle lightness *t**

u^*_e = *g50b*

*lab*icu**$_d$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

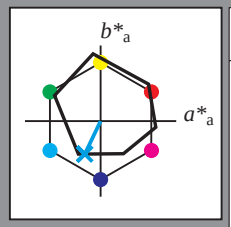
Hue texts:

$u^*_e = g75b$ $u^*_d = c12v$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*Ma*: 55 −21 −44**

***LAB*LCH*Ma*: 55 48 244**

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

***lab*olv*Ma*: 0.0 0.88 1.0**

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

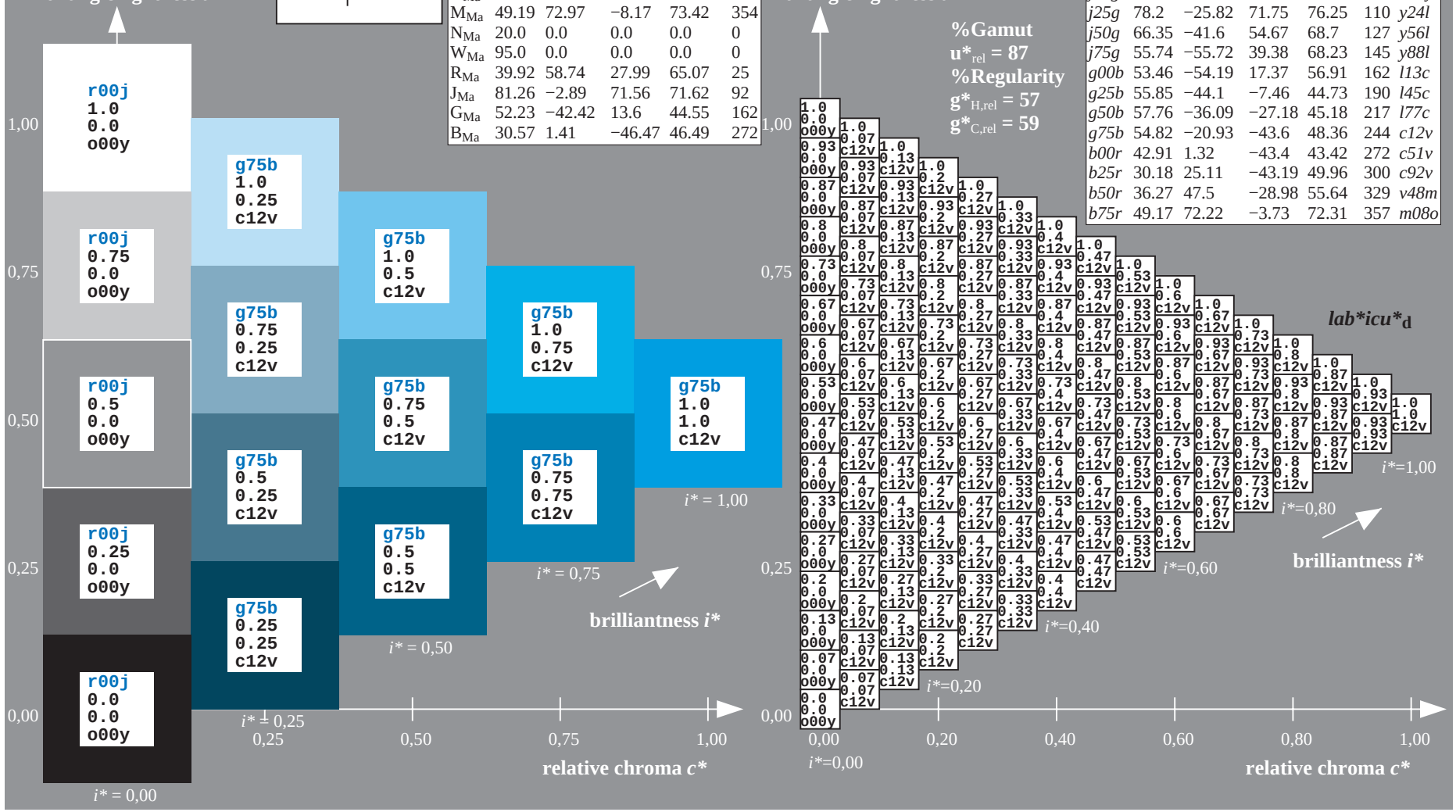
$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

$u^*_e = g75b$

$lab^*icu^*_d$

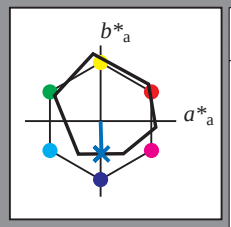
ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

u^*_e = *b00r*
lab*icu*d

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u^*_e = *b00r* u^*_d = *c51v*
contrast reduction factor:
c_R = 0.97
triangle lightness *t**



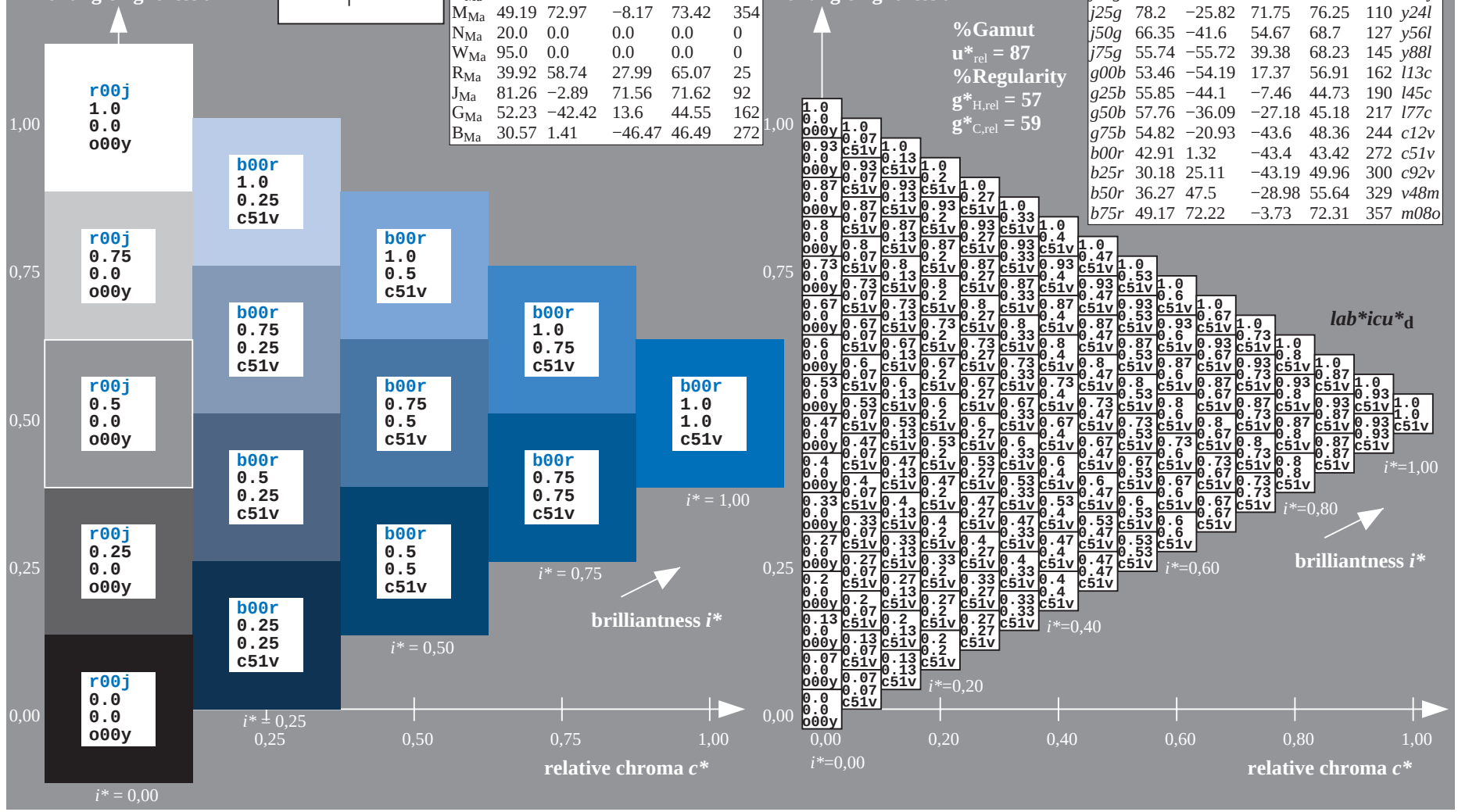
ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 43 1 −43**
***LAB*LCH**$_{Ma}$: 43 43 271**
***lab*rgb**$_{Ma}$: 0.0 0.0 1.0**
***lab*olv**$_{Ma}$: 0.0 0.48 1.0**
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

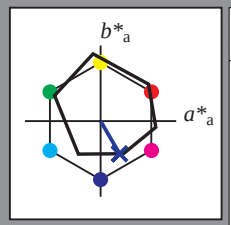
Hue texts:

u^*_e = *b25r* u^*_d = *c92v*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 30 25 −43

*LAB*LCH**$_{Ma}$: 30 50 300

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

*lab*olv**$_{Ma}$: 0.0 0.07 1.0

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

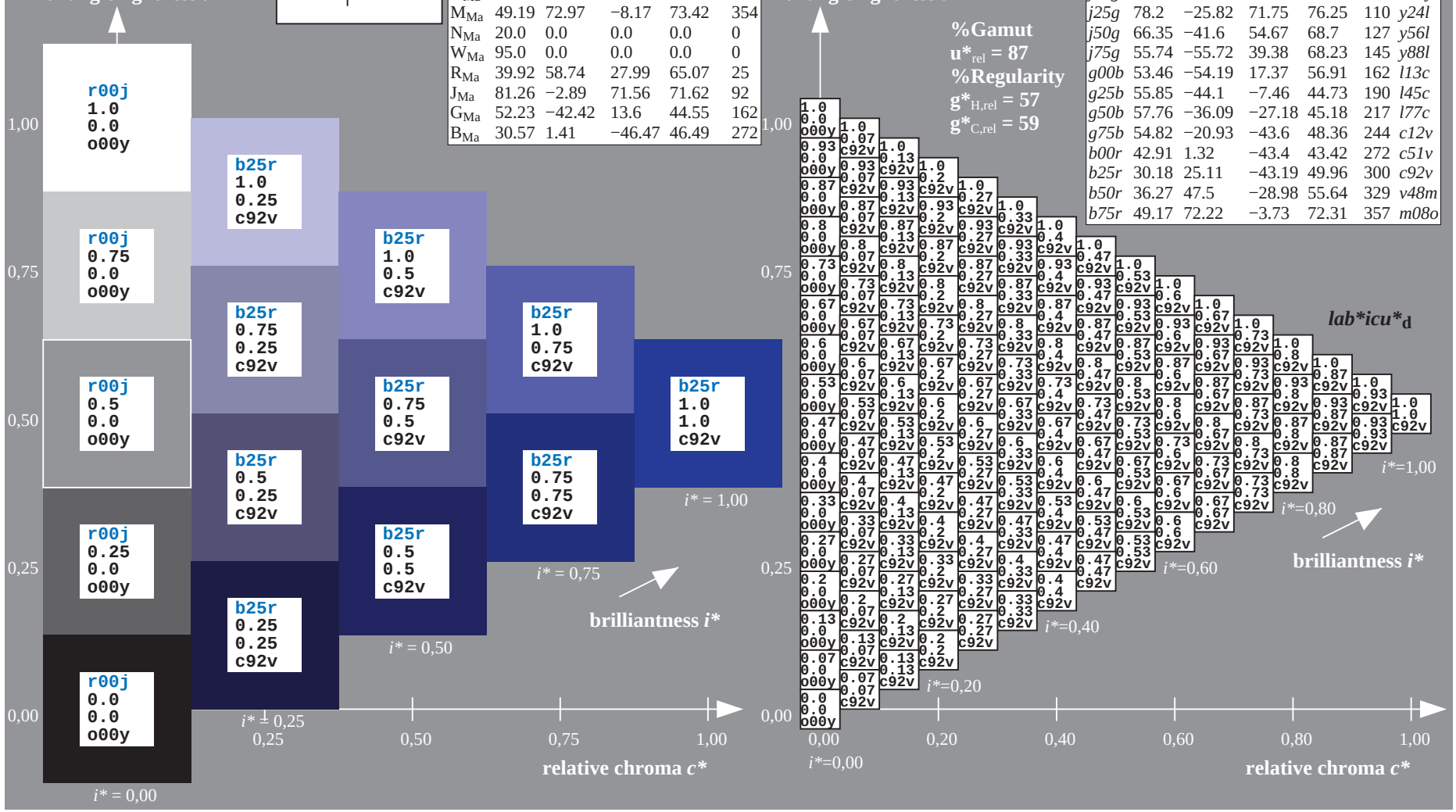
$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

u^*_e = *b25r*

*lab*icu**$_d$

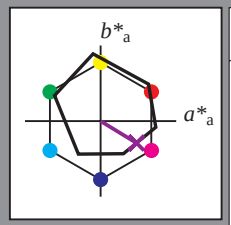
ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

$u^*_e = b50r$
$lab^*icu^*_d$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b50r$ $u^*_d = v48m$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

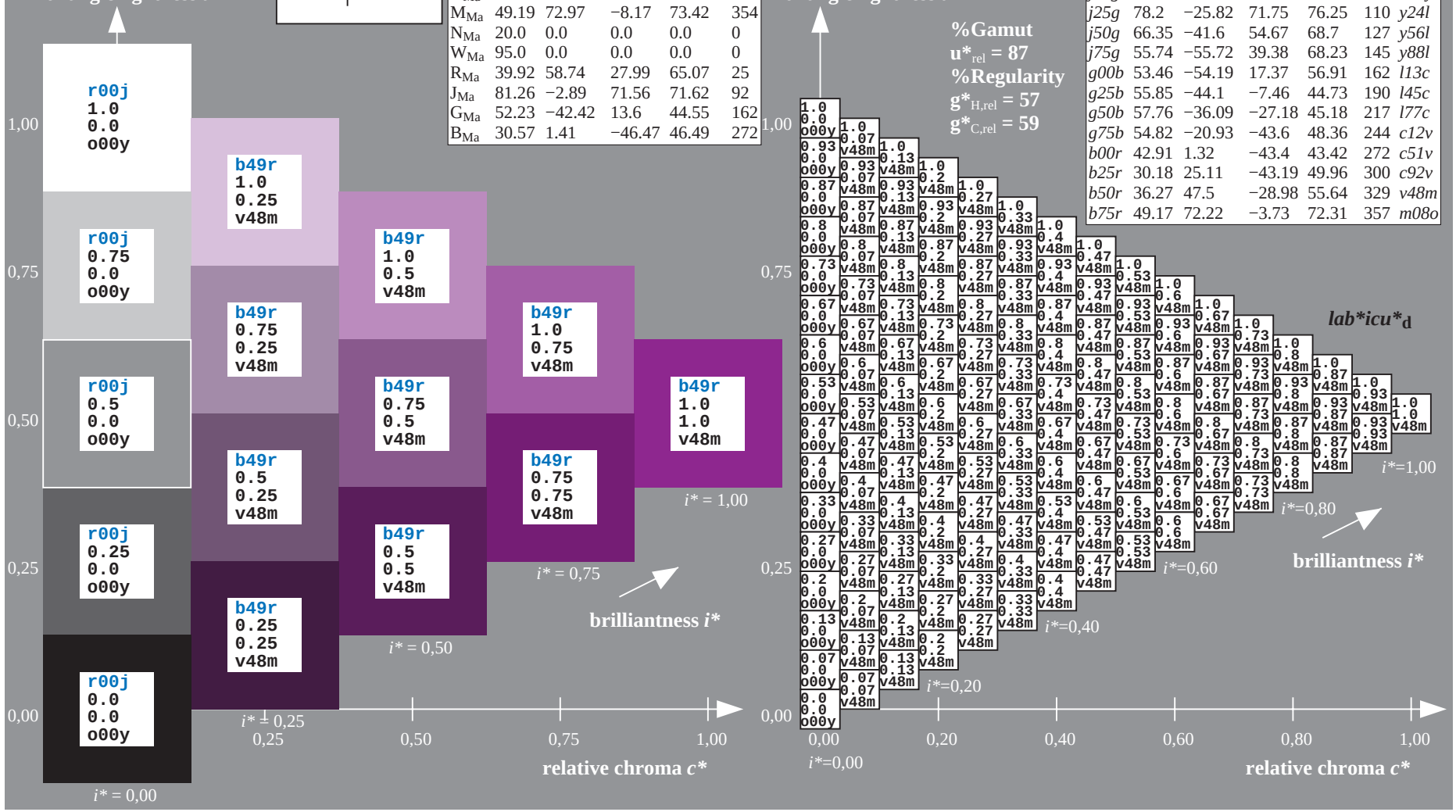
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 36 47 −29**
***LAB*LCH*$_{Ma}$*: 36 56 328**
***lab*rgb*$_{Ma}$*: 1.0 0.0 1.0**
***lab*olv*$_{Ma}$*: 0.49 0.0 1.0**
triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

data for any colour:

*lab*tch** and *lab*icu**

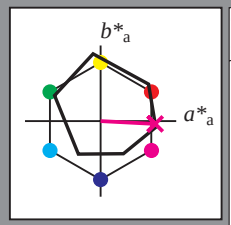
Hue texts:

u^*_e = *b75r* u^*_d = *m08o*

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	49.0	63.38	48.88	80.04	38
Y_{Ma}	90.12	−9.95	88.92	89.48	96
L_{Ma}	51.87	−60.87	33.81	69.63	151
C_{Ma}	59.35	−29.39	−43.68	52.65	236
V_{Ma}	27.47	30.17	−43.15	52.65	305
M_{Ma}	49.19	72.97	−8.17	73.42	354
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 49 72 −4

*LAB*LCH**$_{Ma}$: 49 72 357

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

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

triangle lightness *t**

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 57$

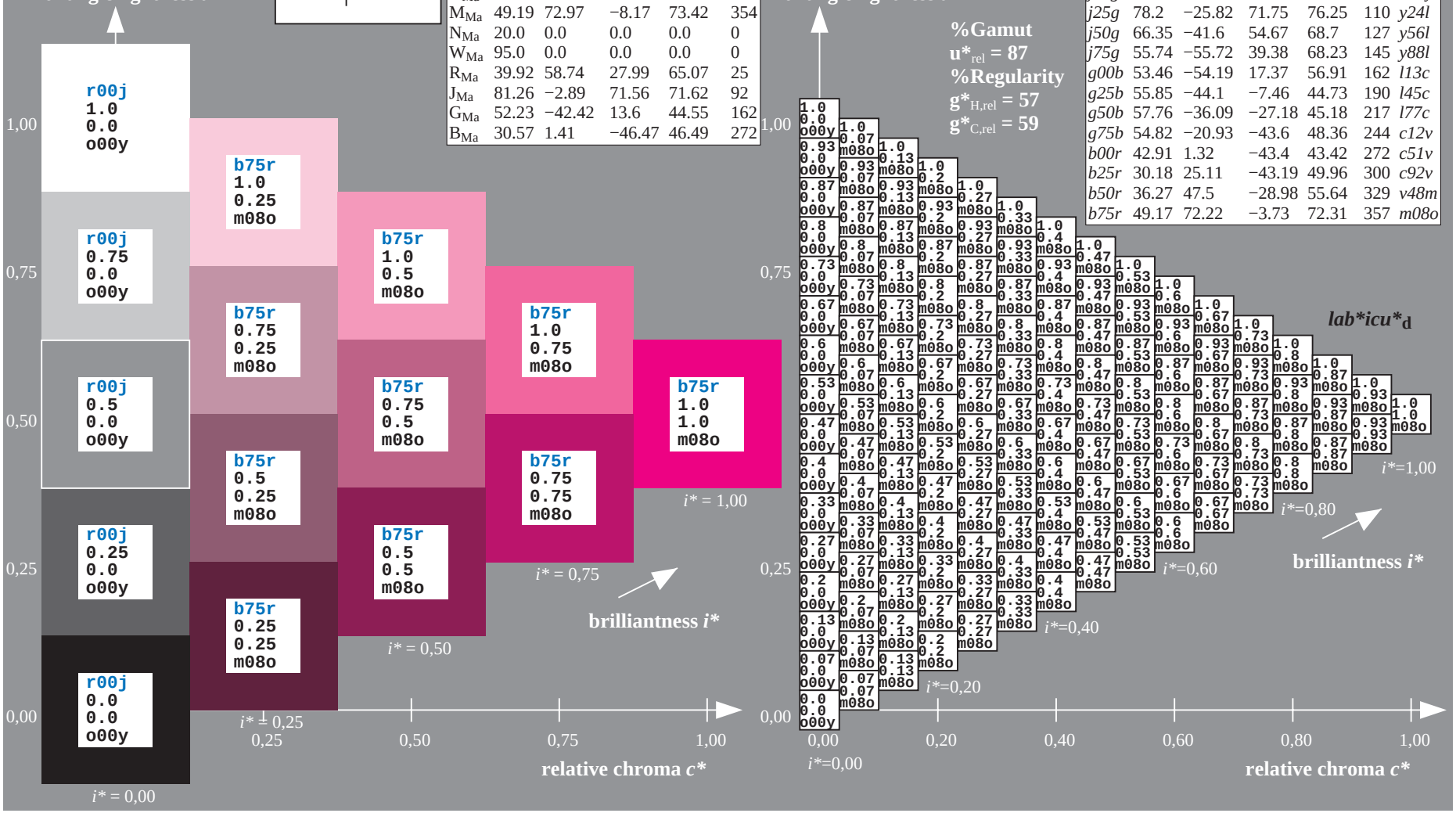
$g^*_{C,rel} = 59$

u^*_e = *b75r*

*lab*icu**$_d$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

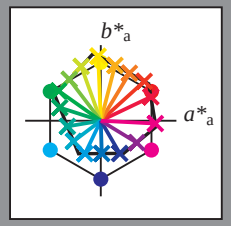


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	*lab*icu*d*			
01	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	o00y	l00c	l00c	l00c	l00c	l00c	l00c	l00c	l00c	o00y	y00l	y49l	y66l	y74l	y79l	y82l	y85l	y87l	o00y	o49y	y00l	y33l	y49l	y59l	y66l	y71l	y74l	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y
02	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	v00m	c00v	l49c	l33c	l25c	l20c	l16c	l14c	l12c	v99m	o00y	l00c	l00c	l00c	l00c	l00c	l00c	l00c	m49o	o00y	y00l	y49l	y66l	y74l	y79l	y82l	y85l	c00v	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y
03	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	v00m	c49v	c00v	l66c	l49c	l40c	l33c	l28c	l25c	v49m	v00m	c00v	l49c	l33c	l25c	l20c	l16c	l14c	v99m	v99m	o00y	l00c	l00c	l00c	l00c	l00c	l00c	c00v	c00v	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y
04	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38
	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.0	0.0	0.0	0.0
	v00m	c66v	c33v	c00v	l74c	l59c	l49c	l42c	l37c	v33m	v00m	c49v	c00v	l66c	l49c	l40c	l33c	l28c	v66m	v49m	v00m	c00v	l49c	l33c	l25c	l20c	l16c	c00v	c00v	c00v	c00v	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y
05	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	v00m	c74v	c49v	c25v	c00v	l79c	l66c	l57c	l49c	v25m	v00m	c66v	c33v	c00v	l74c	l59c	l49c	l42c	v49m	v33m	v00m	c49v	c00v	l66c	l49c	l40c	l33c	c00v	c00v	c00v	c00v	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y
06	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0
	v00m	c79v	c59v	c40v	c20v	c00v	l82c	l71c	l62c	v20m	v00m	c74v	c49v	c25v	c00v	l79c	l66c	l57c	v40m	v25m	v00m	c66v	c33v	c00v	l74c	l59c	l49c	c00v	c00v	c00v	c00v	c00v	o00y	o00y	o00y	o00y	o00y	o00y	o00y	o00y
07	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.75	0.75	0.75	0.75
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0
	v00m	c82v	c66v	c49v	c33v	c16v	c00v	l85c	l74c	v16m	v00m	c79v	c59v	c40v	c20v	c00v	l82c	l71c	v33m	v20m	v00m	c74v	c49v	c25v	c00v	l79c	l66c	c00v	c00v	c00v	c00v	c00v	c00v	o00y	o00y	o00y	o00y	o00y	o00y	o00y
08	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.88	0.88	0.88	0.88
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.0	0.0	0.0	0.0
	v00m	c85v	c71v	c57v	c42v	c28v	c14v	c00v	l87c	v14m	v00m	c82v	c66v	c49v	c33v	c16v	c00v	l85c	v28m	v16m	v00m	c79v	c59v	c40v	c20v	c00v	l82c	c00v	c00v	c00v	c00v	c00v	c00v	c00v	o00y	o00y	o00y	o00y	o00y	o00y
09	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	v00m	c87v	c74v	c62v	c49v	c37v	c25v	c12v	c00v	v12m	v00m	c85v	c71v	c57v	c42v	c28v	c14v	c00v	v25m	v14m	v00m	c82v	c66v	c49v	c33v	c16v	c00v	c00v	c00v	c00v	c00v	c00v	c00v	c00v	c00v	o00y	o00y	o00y	o00y	o00y
10	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	o00y	o33y	o66y	y00l	y25l	y40l	y49l	y57l	y62l	o00y	o25y	o49y	o74y	y00l	y20l	y33l	y42l	y49l	o00y	o20y	o40y	o59y	o79y	y00l	y16l	y28l	y37l	o00y	y00l	y00l	y00l	y00l	y00l	y00l	y00l	y00l	o00y	o00y	o00y	o00y
11	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07
	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	m66o	o00y	o49y	y00l	y33l	y49l	y59l	y66l	y71l	m74o	o00y	o33y	o66y	y00l	y25l	y40l	y49l	y57l	m79o	o00y	o25y	o49y	o74y	y00l	y20l	y33l	y42l	v00m	o00y	y00l	y00l	y00l	y00l	y00l	y00l	y00l	o00y	o00y	o00y	o00y
12	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	m33o	m49o	o00y	y00l	y49l	y66l	y74l	y79l	y82l	m49o	m66o	o00y	o49y	y00l	y33l	y49l	y59l	y66l	m59o	m74o	o00y	o33y	o66y	y00l	y25l	y40l	y49l	v00m	v00m	o00y	y00l	y00l	y00l	y00l	y00l	y00l	o00y	o00y	o00y	o00y
13	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.2	0.2	0.2	0.2
	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.0	0.0	0.0	0.0
	v99m	v99m	v99m	o00y	l00c	l00c	l00c	l00c	l00c	m25o	m33o	m49o	o00y	y00l	y49l	y66l	y74l	y79l	m40o	m49o	m66o	o00y	o49y	y00l	y33l	y49l	y59l	v00m	v00m	v00m	o00y	y00l	y00l	y00l	y00l	y00l	o00y	o00y	o00y	o00y
14	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	v74m	v66m	v49m	v00m	c00v	l49c	l33c	l25c	l20c	v99m	v99m	v99m	v99m	o00y	l00c	l00c	l00c	l00c	m20o	m25o	m33o	m49o	o00y	y00l	y49l	y66l	y74l	v00m	v00m	v00m	v00m	o00y	y00l	y00l	y00l	y00l	o00y	o00y	o00y	o00y
15	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.33	0.33	0.33	0.33
	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0
	v59m	v49m	v33m	v00m	c49v	c00v	l66c	l49c	l40c	v79m	v74m	v66m	v49m	v00m	c00v	l49c	l33c	l25c	v99m	v99m	v99m	v99m	v99m	o00y	l00c	l00c	l00c	v00m	v00m	v00m	v00m	v00m	o00y	y00l	y00l	y00l	o00y	o00y	o00y	o00y
16	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0
	v49m	v40m	v25m	v00m	c66v	c33v	c00v	l74c	l59c	v66m	v59m	v49m	v33m	v00m	c49v	c00v	l66c	l49c	v82m	v79m	v74m	v66m	v49m	v00m	c00v	l49c	l33c	v00m	v00m	v00m	v00m	v00m	v00m	o00y	y00l	y00l	o00y	o00y	o00y	o00y
17	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.47	0.47	0.47	0.47
	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.0	0.0	0.0	0.0
	v42m	v33m	v20m	v00m	c74v	c49v	c25v	c00v	l79c	v57m	v49m	v40m	v25m	v00m	c66v	c33v	c00v	l74c	v71m	v66m	v59m	v49m	v33m	v00m	c49v	c00v	l66c	v00m	v00m	v00m	v00m	v00m	v00m	v00m	o00y	y00l	o00y	o00y	o00y	o00y
18	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.53	0.53	0.53	0.53
	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	v37m	v28m	v16m	v00m	c79v	c59v	c40v	c20v	c00v	v49m	v42m	v33m	v20m	v00m	c74v	c49v	c25v	c00v	v62m	v57m	v49m	v40m	v25m	v00m	c66v	c33v	c00v	v00m	v00m	v00m	v00m	v00m	v00m	v00m	v00m	o00y	o00y	o00y	o00y	o00y
19	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.6	0.6	0.6
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	o00y	o16y	o33y	o49y	o66y	o82y	y00l	y14l	y25l	o00y	o14y	o28y	o42y	o57y	o71y	o85y	y00l	y12l	o00y	o12y	o25y	o37y	o49y	o62y	o74y	o87y	y00l	o00y	l00c	l00c	l00c	l00c	l00c	l00c	l00c	l00c	o00y	o00y	o00y	o00y
20	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.67	0.67	0.67	0.67
	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	m82o	o00y	o20y	o40y	o59y	o79y	y00l	y16l	y28l	m85o	o00y	o16y	o33y	o49y	o66y	o82y	y00l	y14l	m87o	o00y	o14y	o28y	o42y	o57y	o71y	o85y	y00l	v99m	o00y	l00c	l00c	l00c	l00c	l00c	l00c	l00c	o00y	o00y	o00y	o00y
21	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.73	0.73	0.73	0.73
	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	m66o	m79o	o00y	o25y	o49y	o74y	y00l	y20l	y33l	m71o	m82o	o00y	o20y	o40y	o59y	o79y	y00l	y16l	m74o	m85o	o00y	o16y	o33y	o49y	o66y	o82y	y00l	v99m	v99m	o00y	l00c	l00c	l00c	l00c	l00c	l00c	o00y	o00y	o00y	o00y
22	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.8	0.8	0.8	0.8
	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.0	0.0	0.0	0.0
	m49o	m59o	m74o	o00y	o33y	o66y	y00l	y25l	y40l	m57o	m66o	m79o	o00y	o25y	o49y	o74y	y00l	y20l	m62o	m71o	m82o	o00y	o20y	o40y	o59y	o79y	y00l	v99m	v99m	v99m	o00y	l00c	l00c	l00c	l00c	l00c	o00y	o00y	o00y	o00y
23	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.87	0.87	0.87	0.87
	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.5	0.0	0.0	0.0	0.0
	m33o	m40o	m49o	m66o	o00y	o49y	y00l	y33l	y49l	m42o	m49o	m59o	m74o	o00y	o33y	o66y	y00l	y25l	m49o	m57o	m66o	m79o	o00y	o25y	o49y	o74y	y00l	v99m	v99m	v99m	v99m	o00y	l00c	l00c	l00c	l00c	o00y	o00y	o00y	o00y
24	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.93	0.93	0.93	0.93
	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0
	m16o	m20o	m25o	m33o	m49o	o00y	y00l	y49l	y66l	m28o	m33o	m40o	m49o	m66o	o00y	o49y	y00l	y33l	m37o	m42o	m49o	m59o	m74o	o00y	o33y	o66y	y00l	v99m	v99m	v99m	v99m	o00y	l00c	l00c	l00c	l00c	o00y	o00y	o00y	o00y
25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Input and output:
Colorimetric Printer Reflective System ORS18_95aM
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.97

ORS18_95aM; adapted (a) CIELAB data

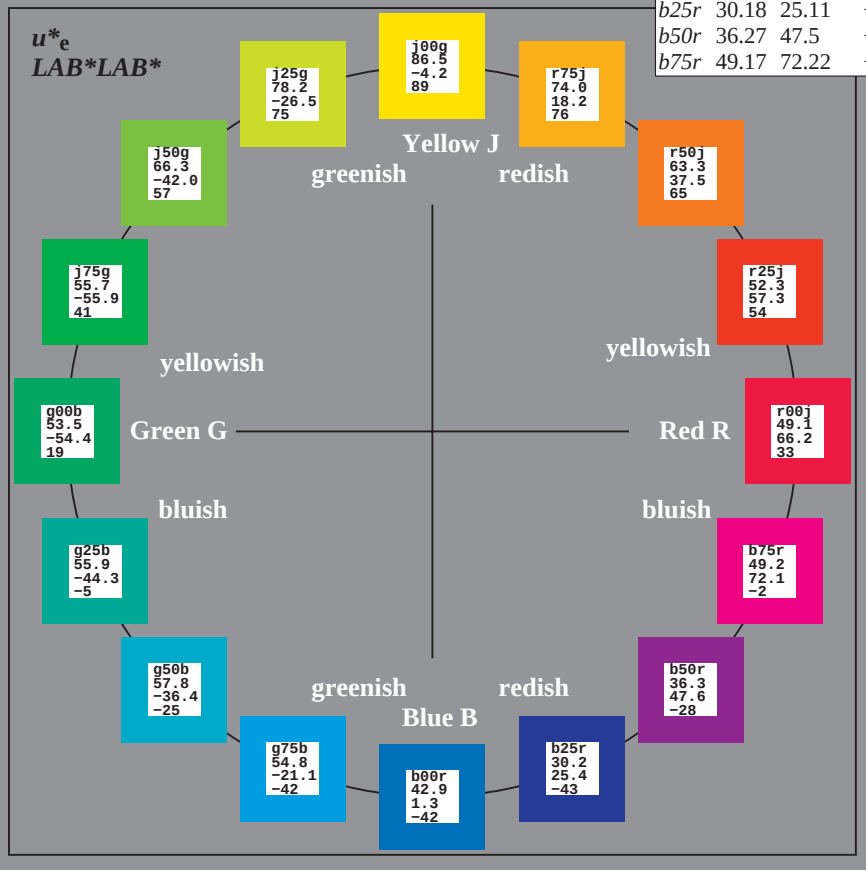
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

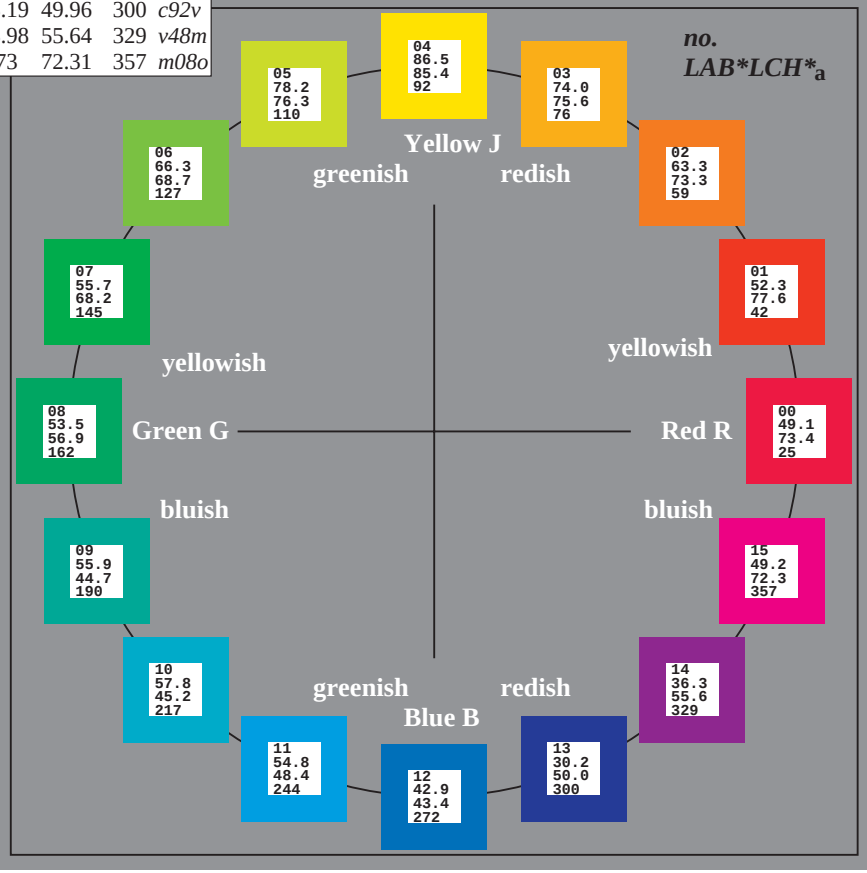


%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95M; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272





Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

$u^*_e = r00j$
*LAB*LAB**

data for any colour:

*lab*tch** and *lab*icu**

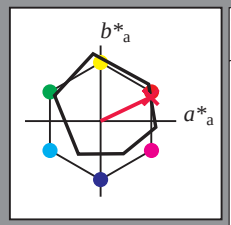
Hue texts:

$u^*_e = r00j$ $u^*_d = m72o$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95M; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 49 66 32

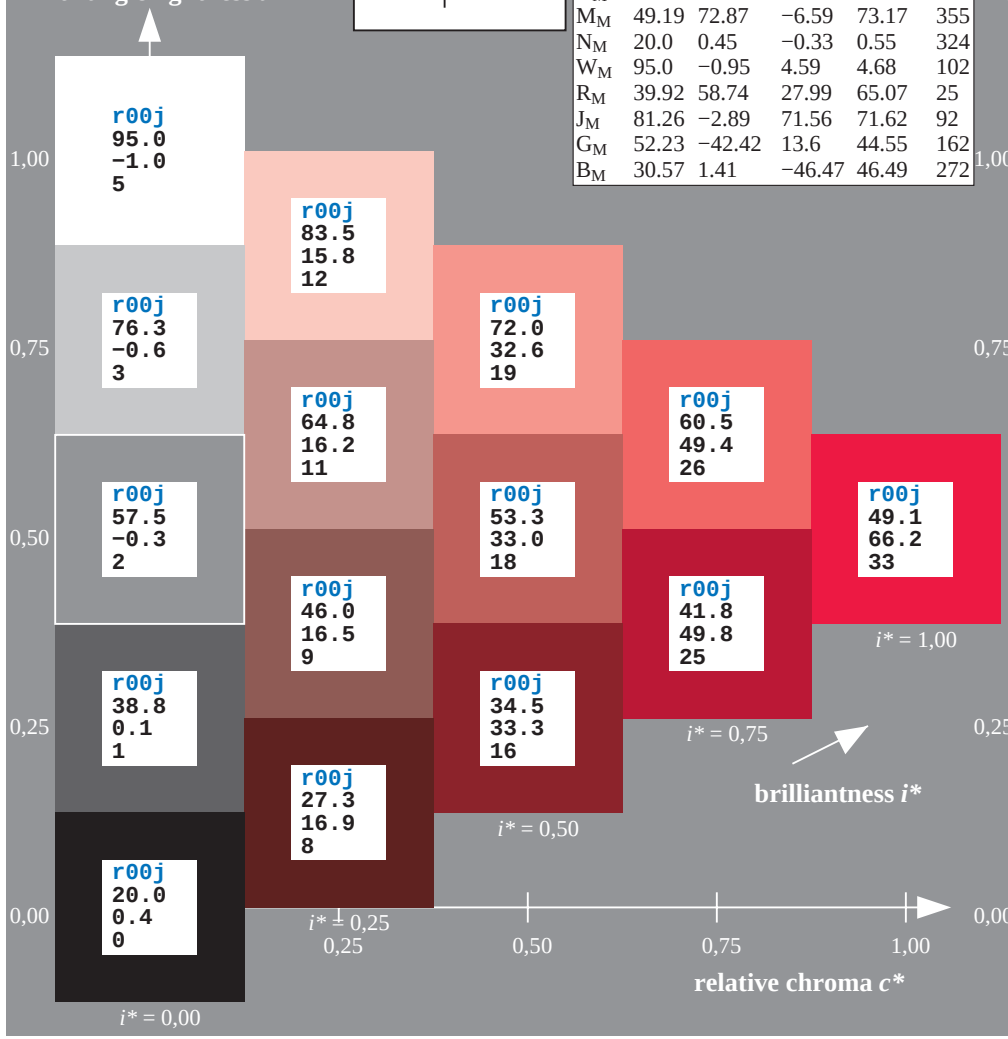
*LAB*LCH**$_{Ma}$: 49 73 25

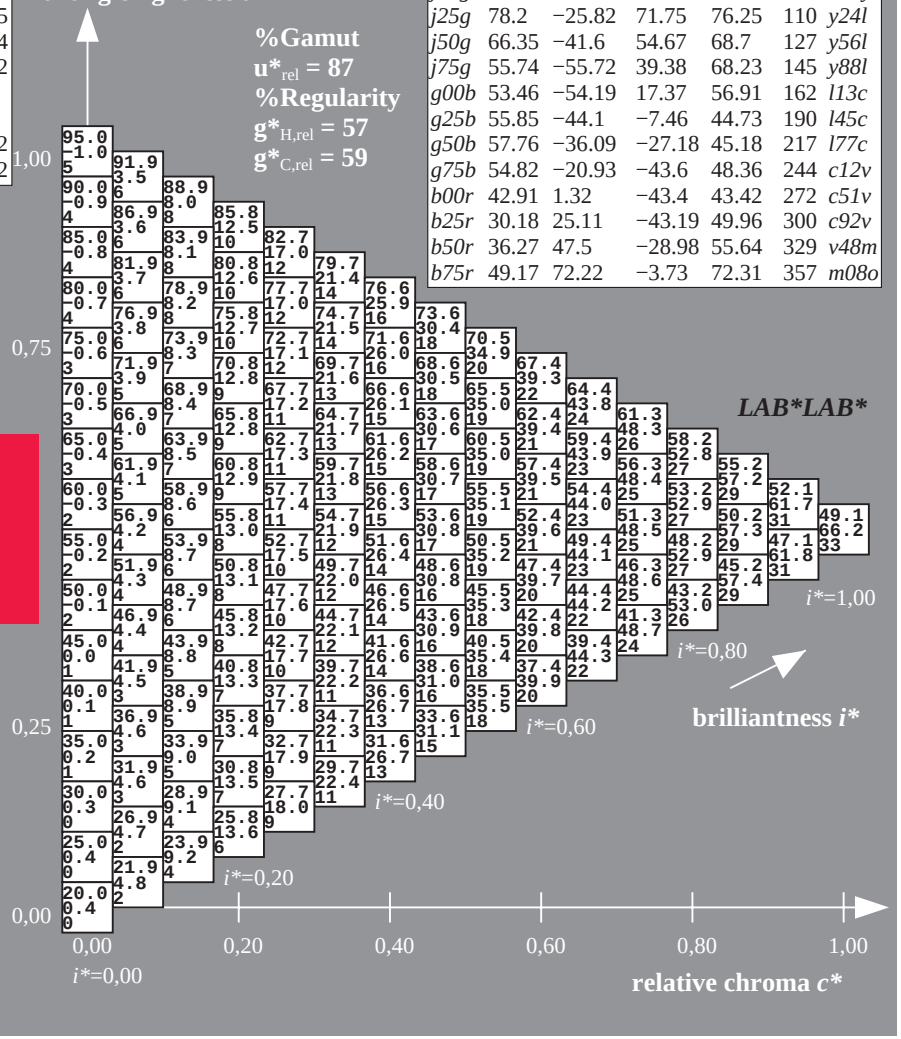
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0

*lab*olv**$_{Ma}$: 1.0 0.0 0.28

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*





Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

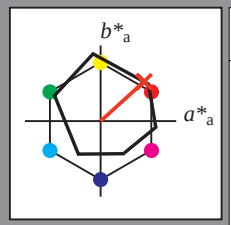
$u^*_e = r25j$
LAB*LAB*

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

Hue texts:
$u^*_e = r25j$ $u^*_d = o08y$

contrast reduction factor:
$c_R = 0.97$

triangle lightness *t**



ORS18_95M; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 52 57 52**

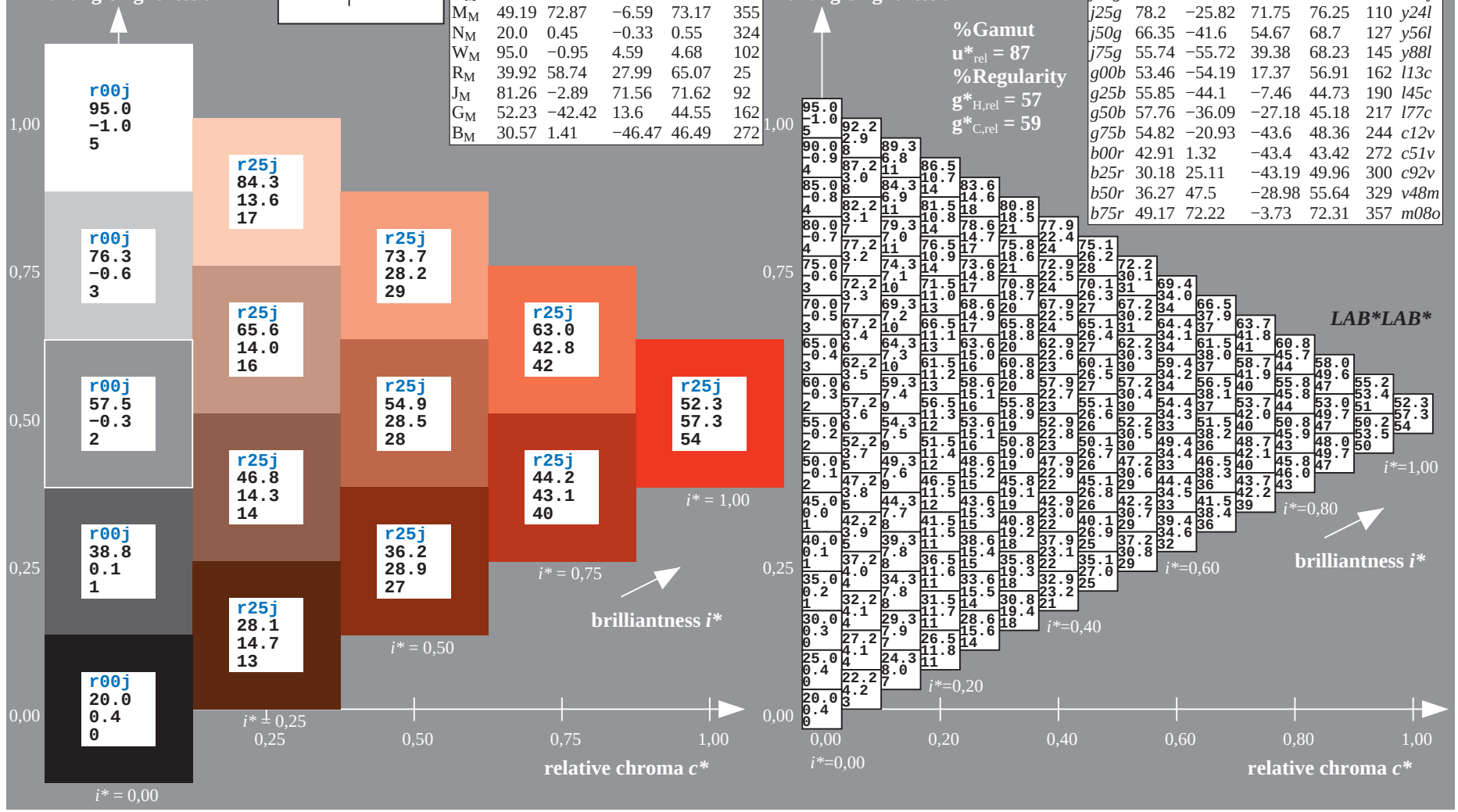
***LAB*LCH*$_{Ma}$*: 52 78 42**

***lab*rgb*$_{Ma}$*: 1.0 0.25 0.0**

***lab*olv*$_{Ma}$*: 1.0 0.08 0.0**

triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

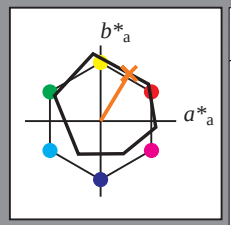
$u^*_e = r50j$
LAB*LAB*

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

Hue texts:
$u^*_e = r50j$ $u^*_d = o36y$

contrast reduction factor:
$c_R = 0.97$

triangle lightness t^*



ORS18_95M; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

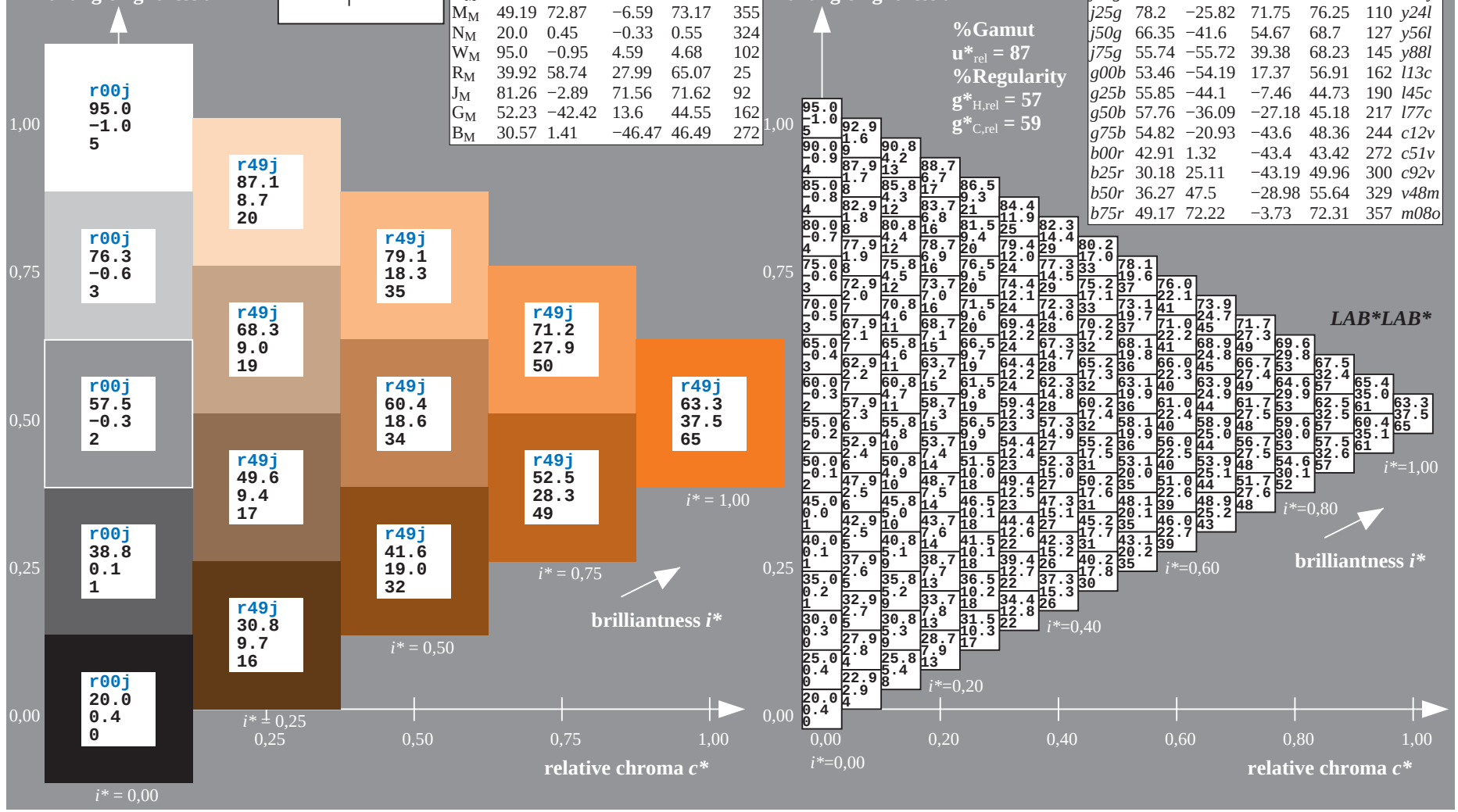
***LAB*LAB*$_{Ma}$: 63 38 63**

***LAB*LCH*$_{Ma}$: 63 73 58**

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

***lab*olv*$_{Ma}$: 1.0 0.36 0.0**

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

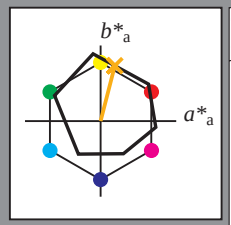
$u^*_e = r75j$
LAB*LAB*

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

Hue texts:
$u^*_e = r75j$ $u^*_d = o64y$

contrast reduction factor:
$c_R = 0.97$

triangle lightness *t**



ORS18_95M; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 74 19 73**

***LAB*LCH*$_{Ma}$*: 74 76 75**

***lab*rgb*$_{Ma}$*: 1.0 0.75 0.0**

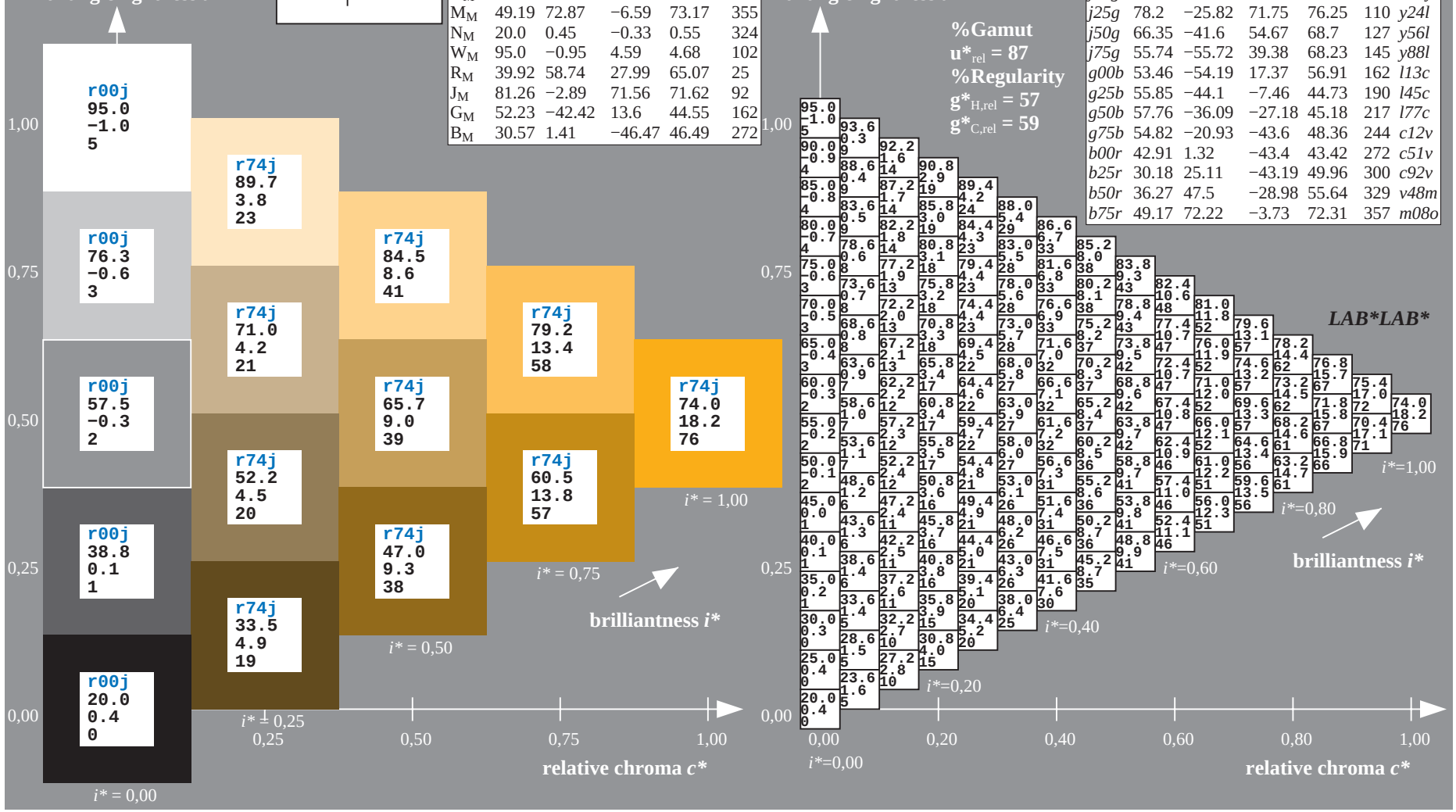
***lab*olv*$_{Ma}$*: 1.0 0.65 0.0**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

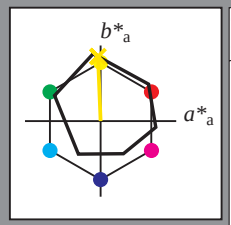
$u^*_e = j00g$
LAB*LAB*

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

Hue texts:
$u^*_e = j00g$ $u^*_d = o92y$

contrast reduction factor:
$c_R = 0.97$

triangle lightness *t**



ORS18_95M; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 86 −3 85**

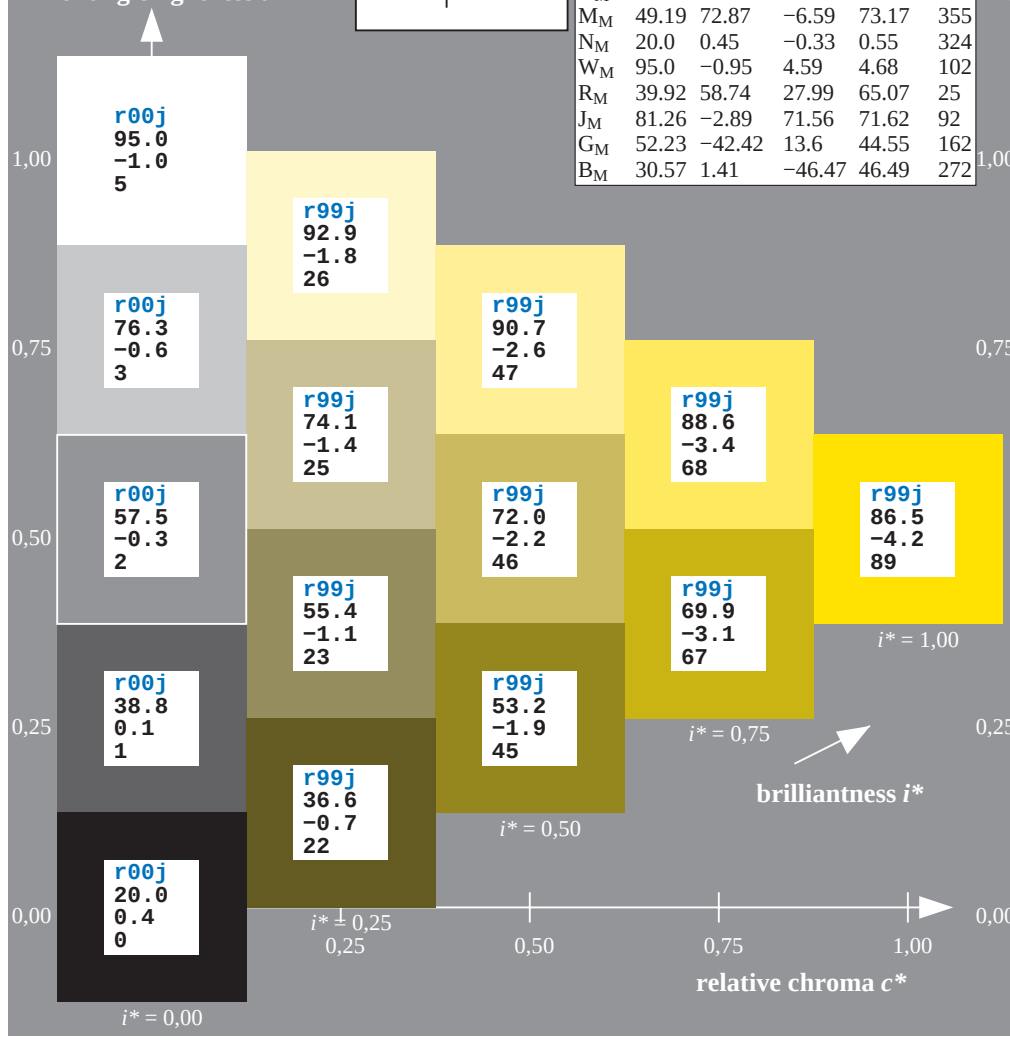
***LAB*LCH*$_{Ma}$*: 86 85 92**

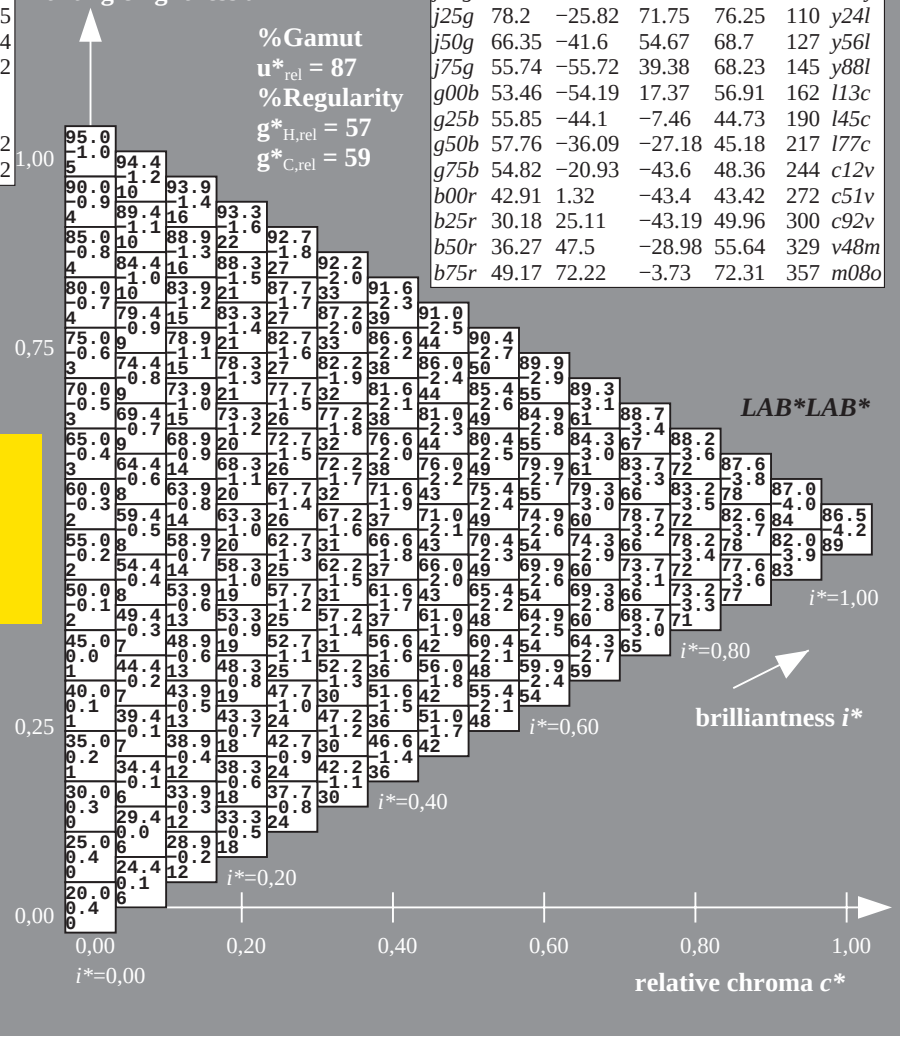
***lab*rgb*$_{Ma}$*: 1.0 1.0 0.0**

***lab*olv*$_{Ma}$*: 1.0 0.93 0.0**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

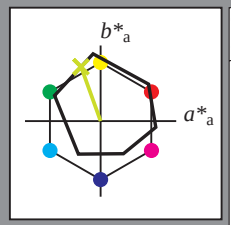




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

$u^*_e = j25g$
LAB^*LAB^*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j25g$ $u^*_d = y24l$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



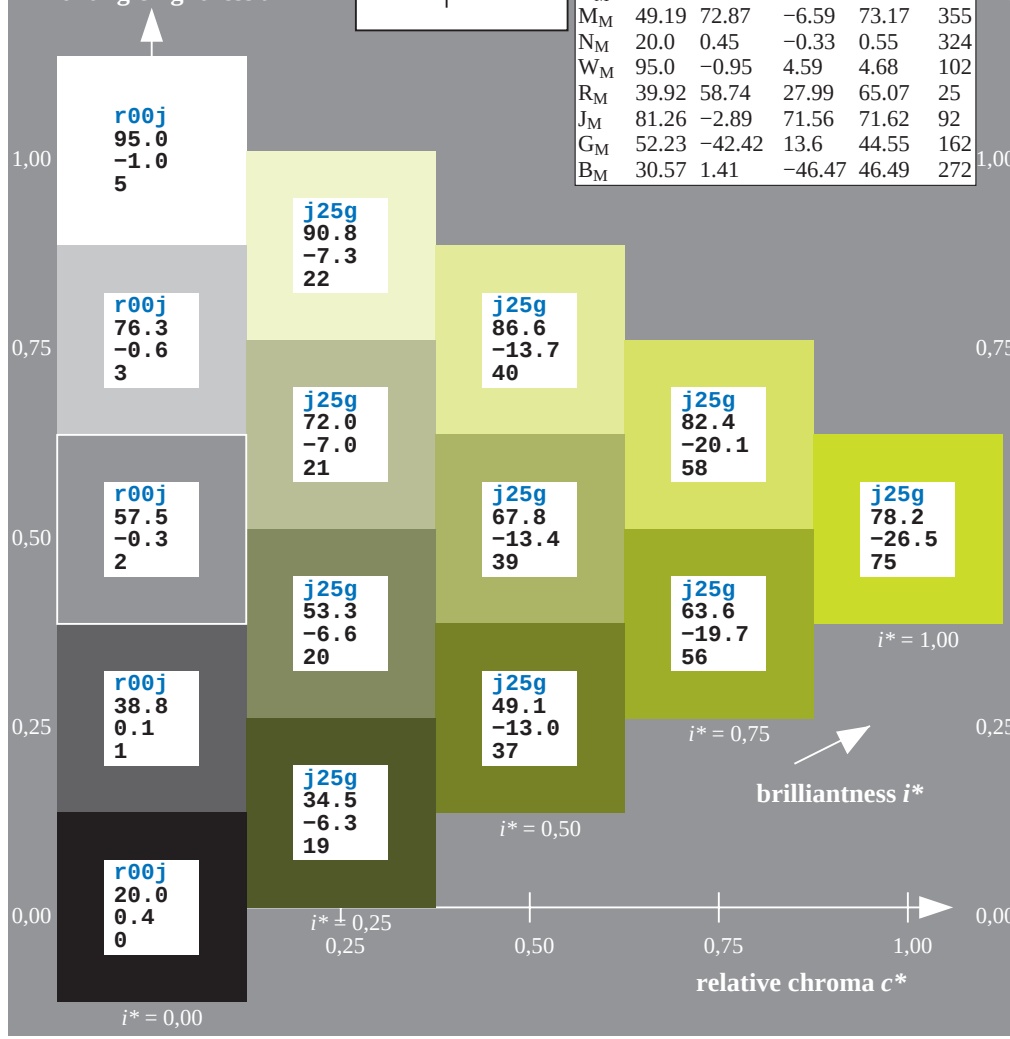
ORS18_95M; CIELAB data

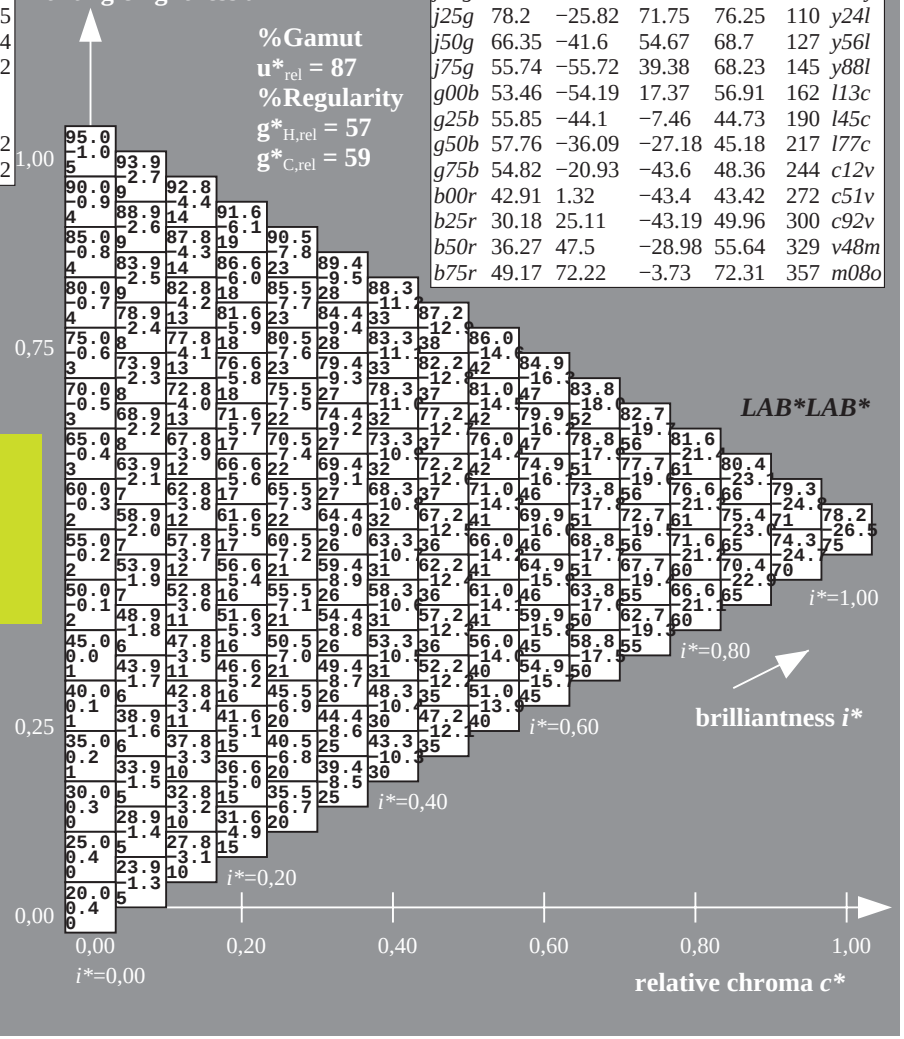
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 78 −26 72
$LAB^*LCH^*_{Ma}$: 78 76 109
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*olv^*_{Ma}$: 0.75 1.0 0.0
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

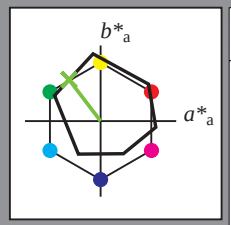




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

$u^*_e = j50g$
LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j50g$ $u^*_d = y56l$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95M; CIELAB data

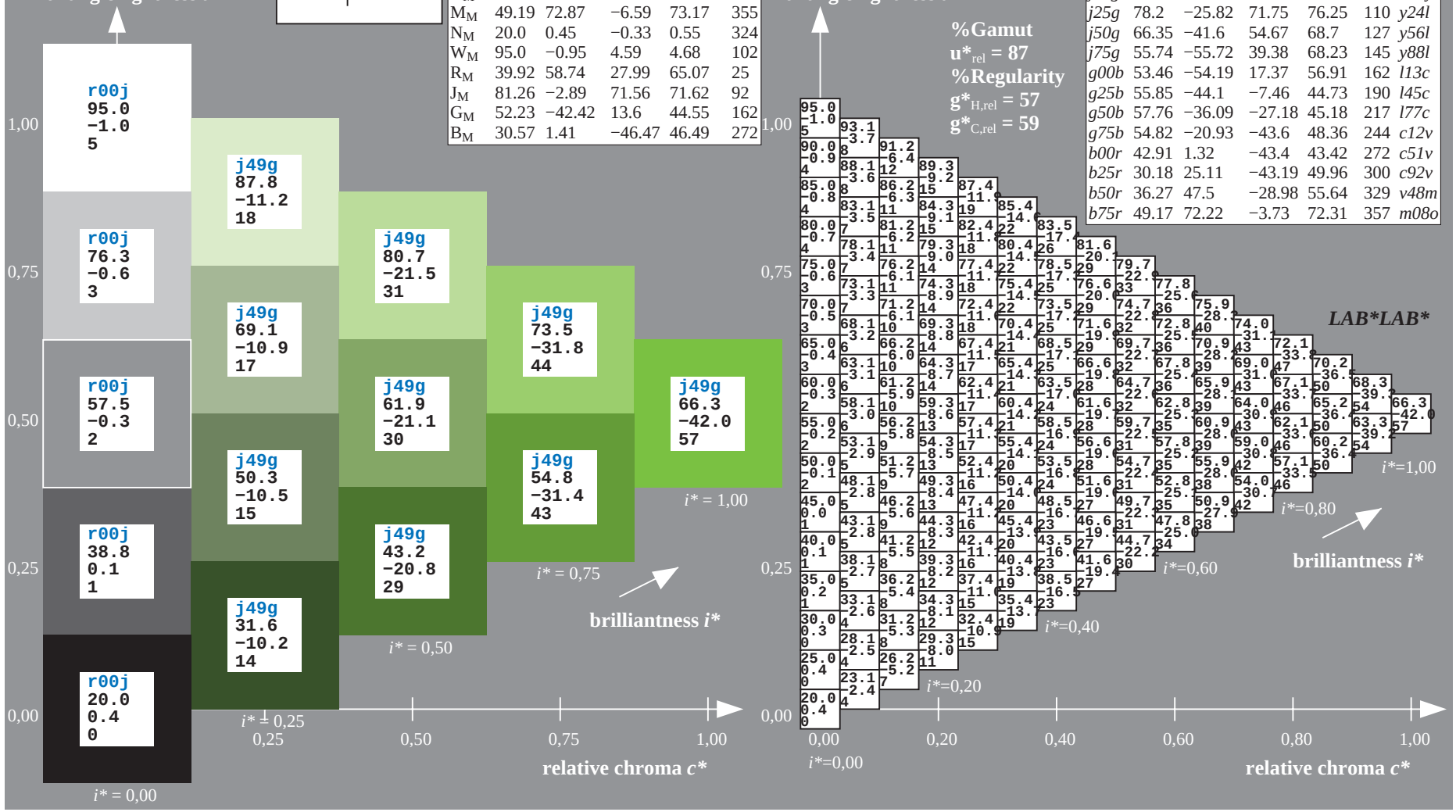
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 66 −42 55**
***LAB*LCH*$_{Ma}$*: 66 69 127**
***lab*rgb*$_{Ma}$*: 0.5 1.0 0.0**
***lab*olv*$_{Ma}$*: 0.43 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

$u^*_e = j75g$
LAB^*LAB^*

data for any colour:

*lab*tch** and *lab*icu**

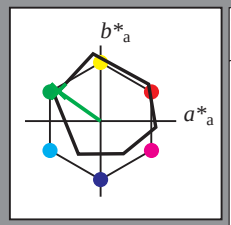
Hue texts:

$u^*_e = j75g$ $u^*_d = y88l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness t^*



ORS18_95M; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 56 −56 39**

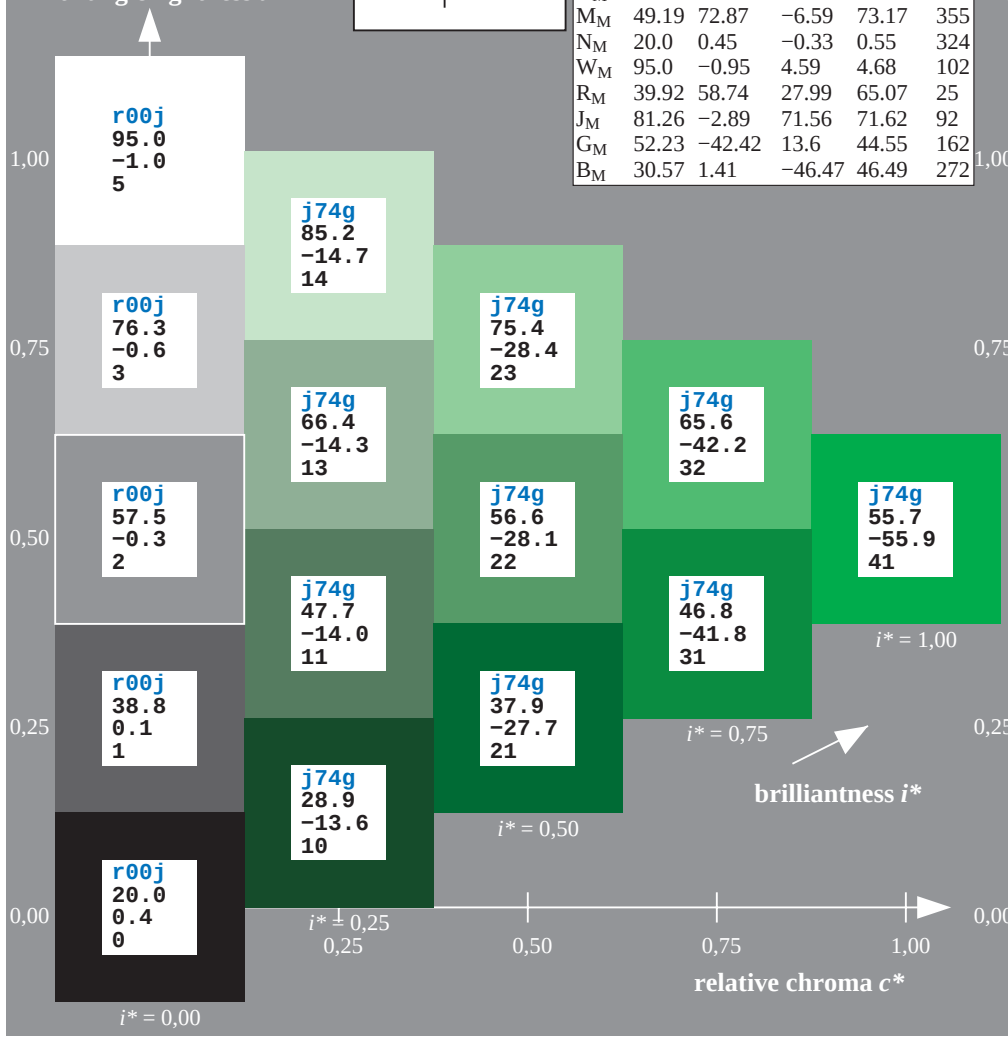
***LAB*LCH*$_{Ma}$*: 56 68 144**

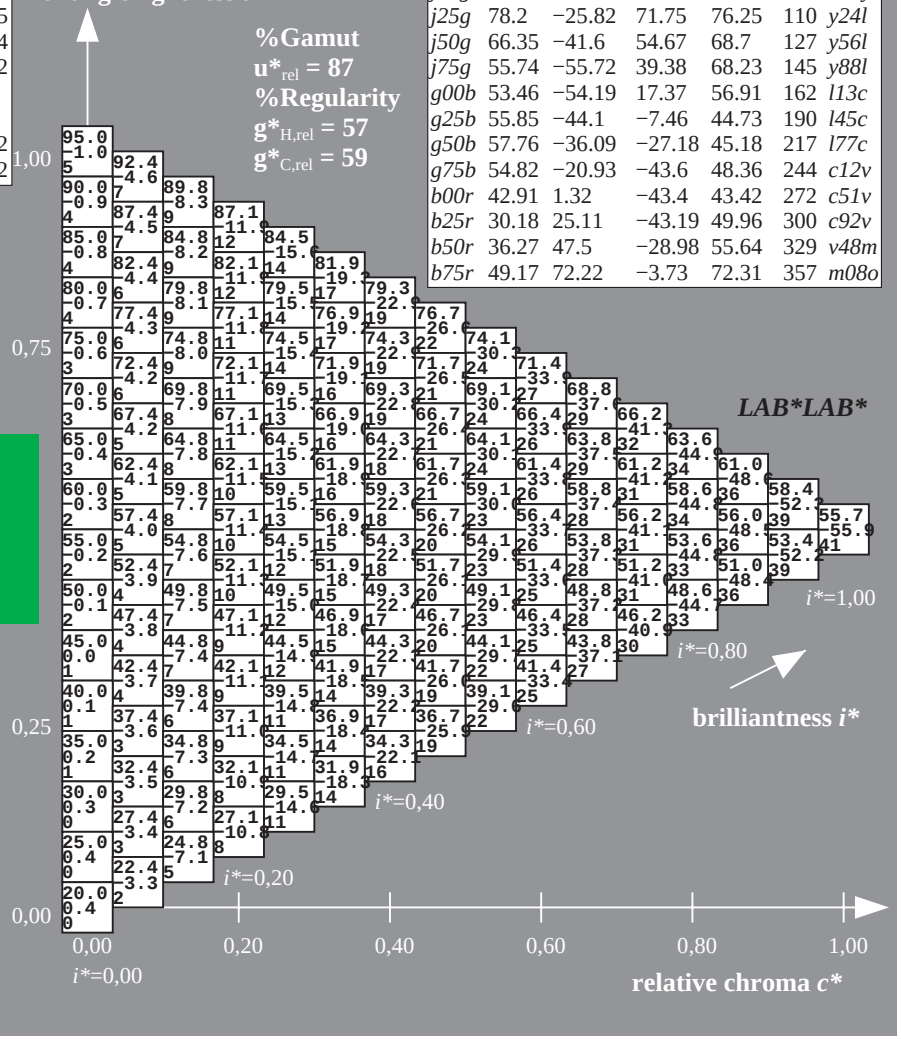
***lab*rgb*$_{Ma}$*: 0.25 1.0 0.0**

***lab*olv*$_{Ma}$*: 0.11 1.0 0.0**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

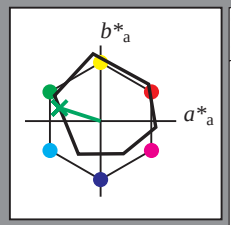




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

u^*_e = *g00b*
LAB*LAB*

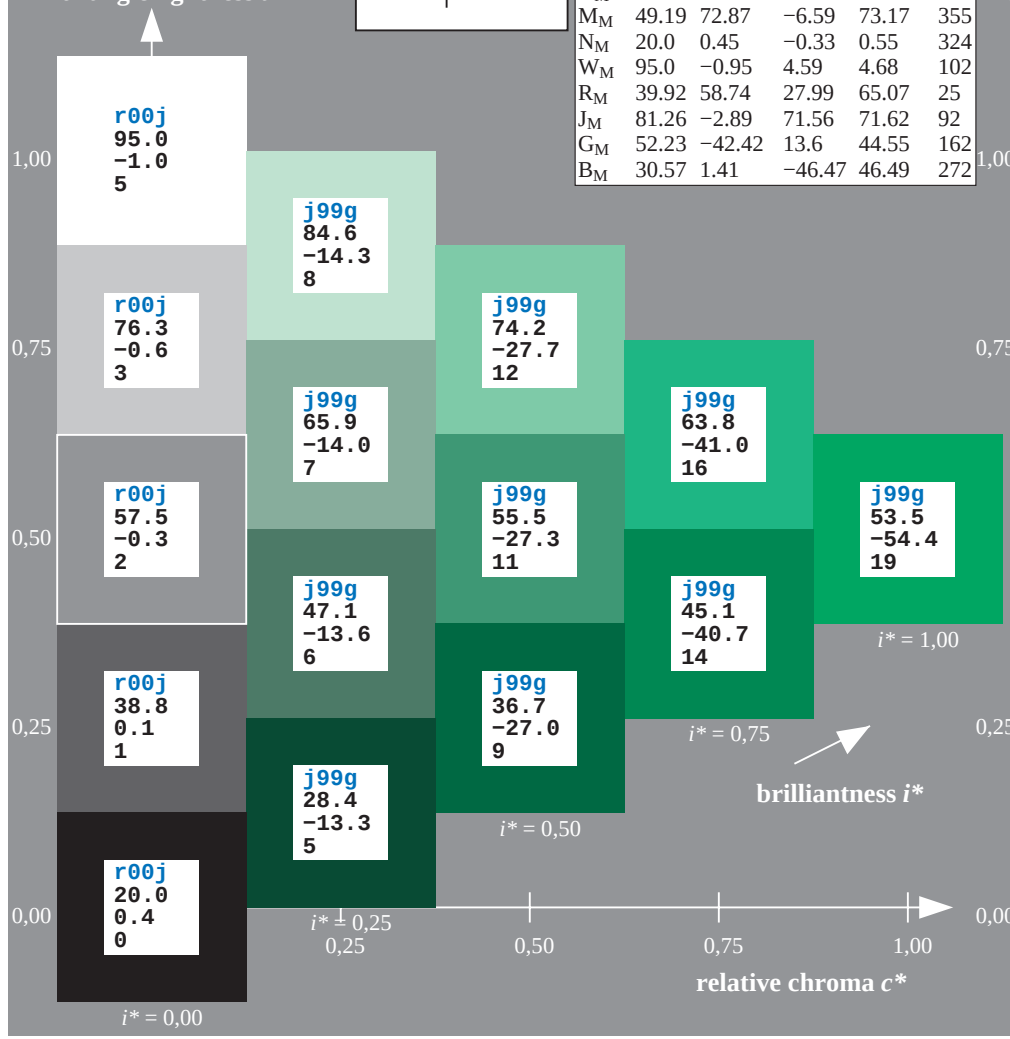
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g00b* u^*_d = *l13c*
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**

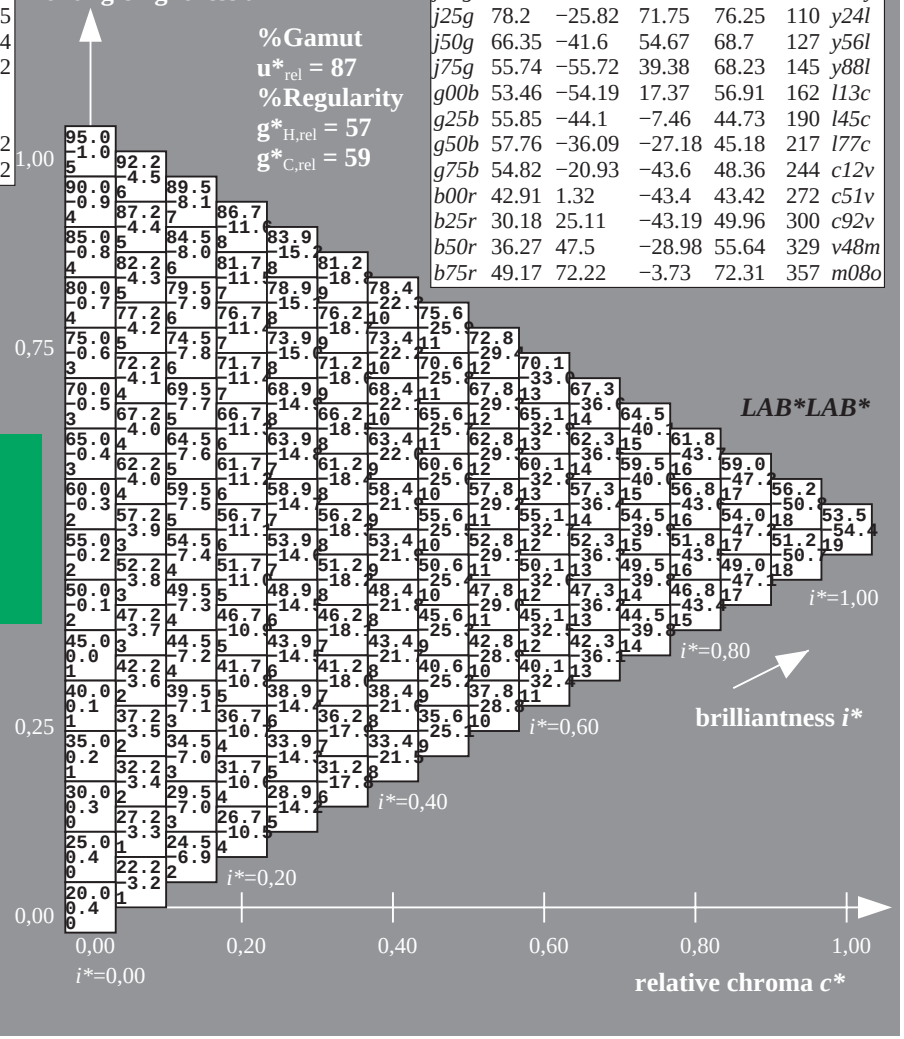


ORS18_95M; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 53 −54 17
LAB*LCH*$_{Ma}$: 53 57 162
lab*rgb*$_{Ma}$: 0.0 1.0 0.0
lab*olv*$_{Ma}$: 0.0 1.0 0.13
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

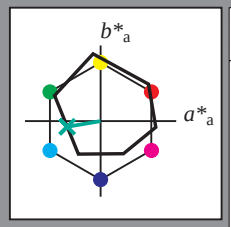




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$

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

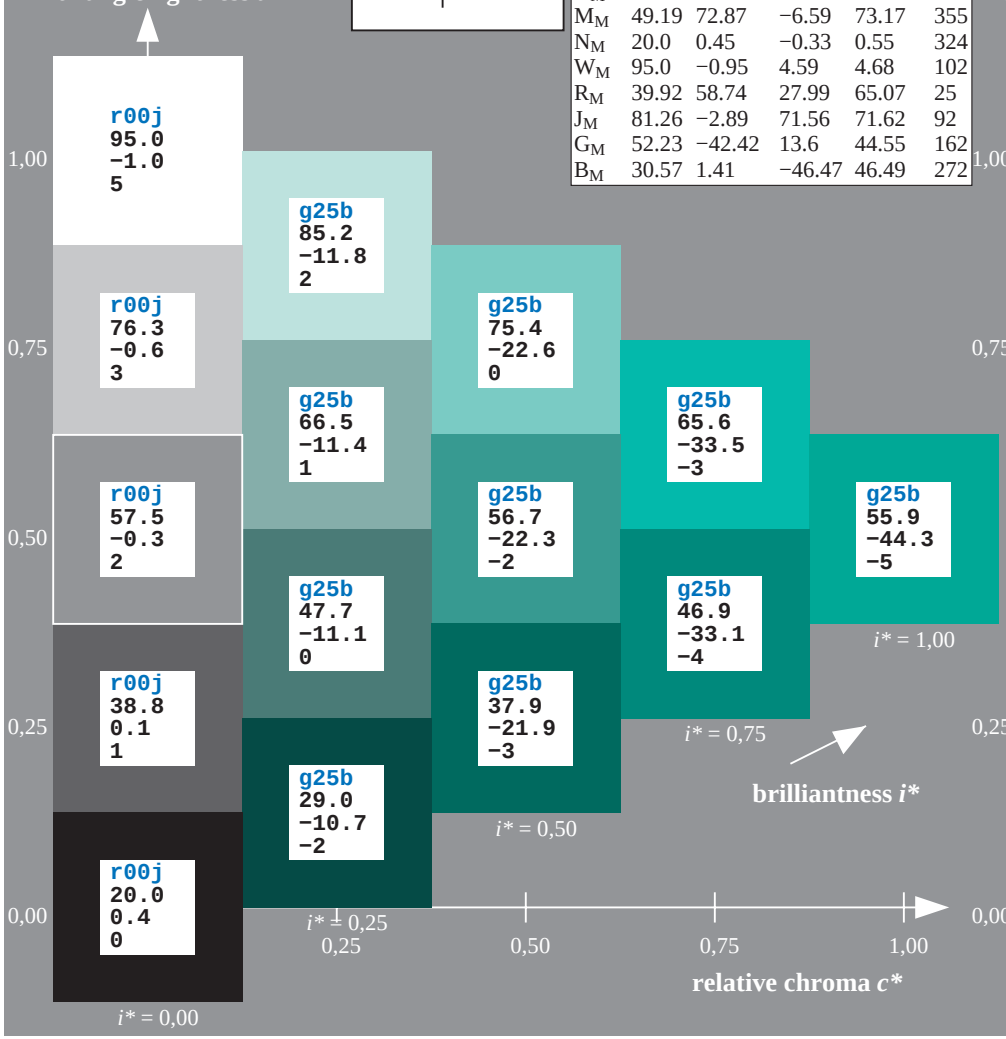
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g25b$ $u^*_d = l45c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*

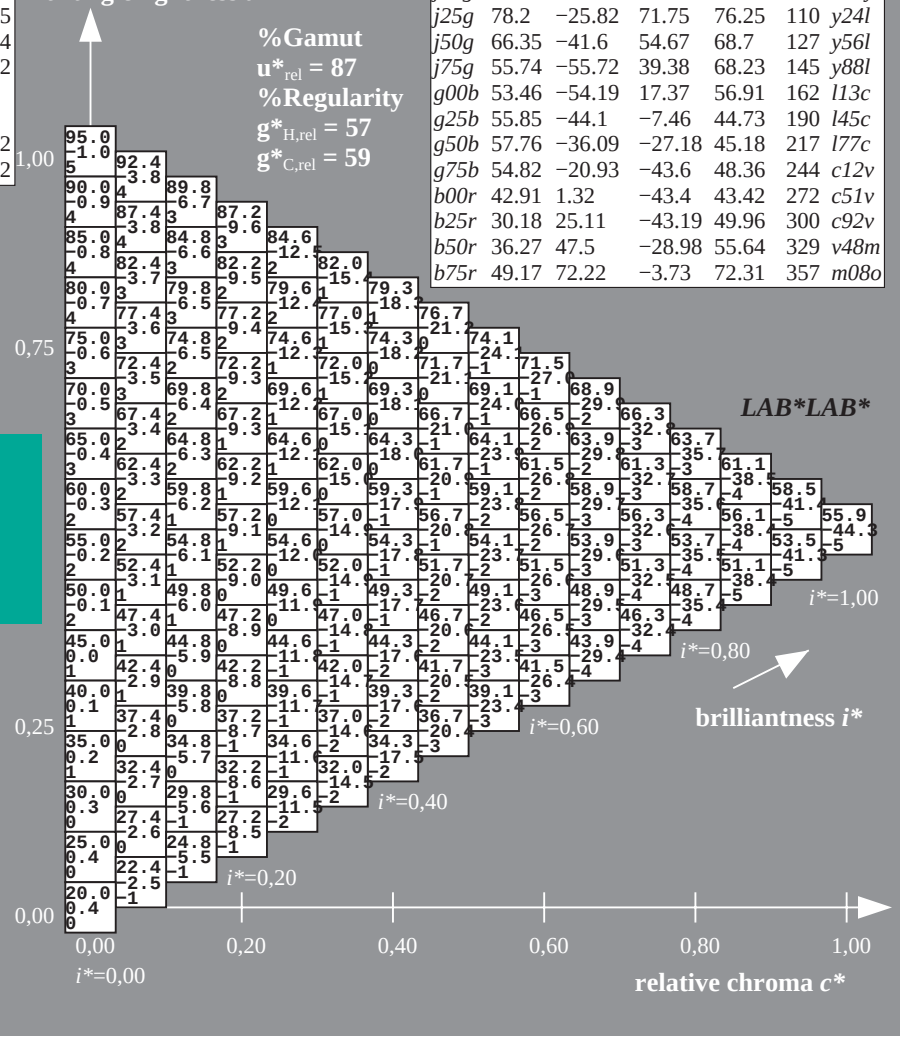


ORS18_95M; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 −44 −7
$LAB^*LCH^*_{Ma}$: 56 45 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.45
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

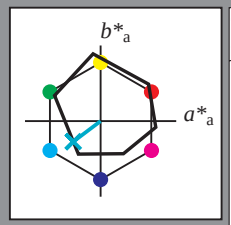




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g50b$ $u^*_d = l77c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



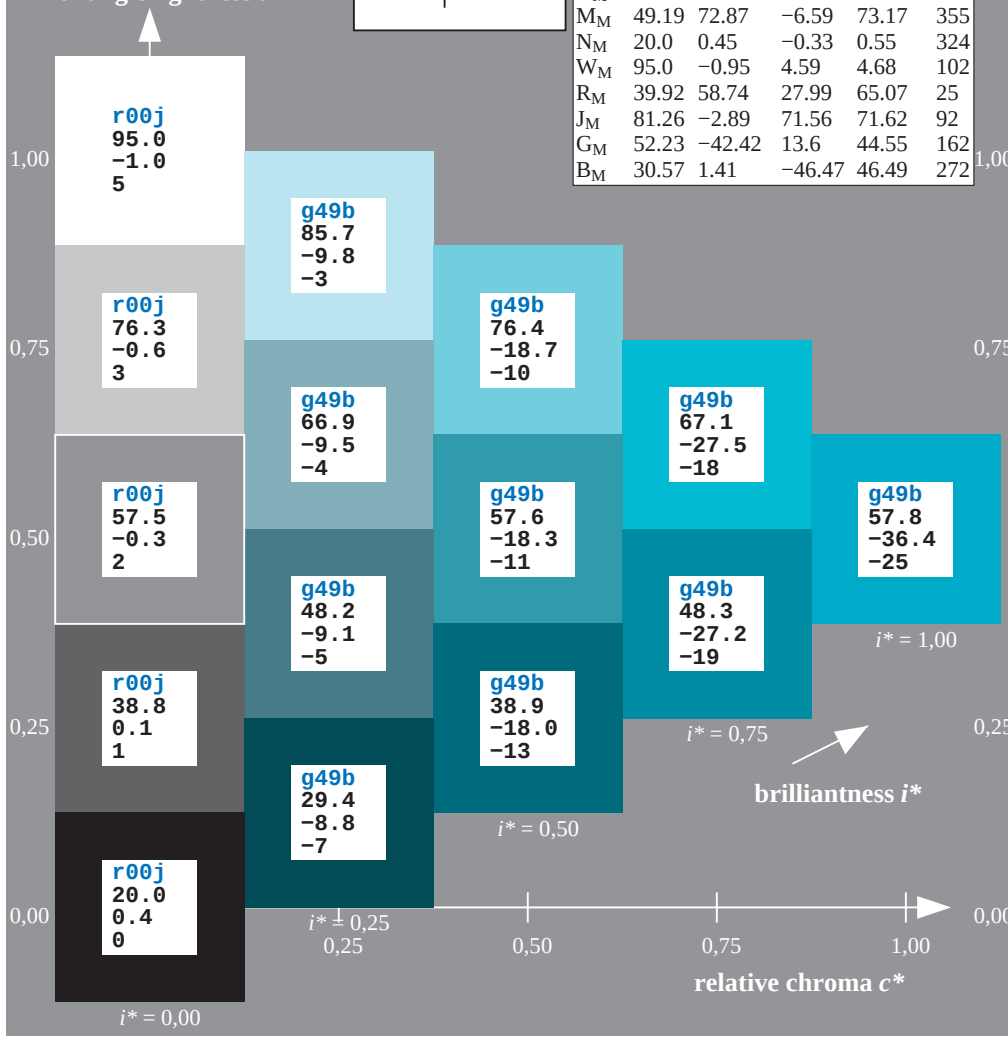
ORS18_95M; CIELAB data

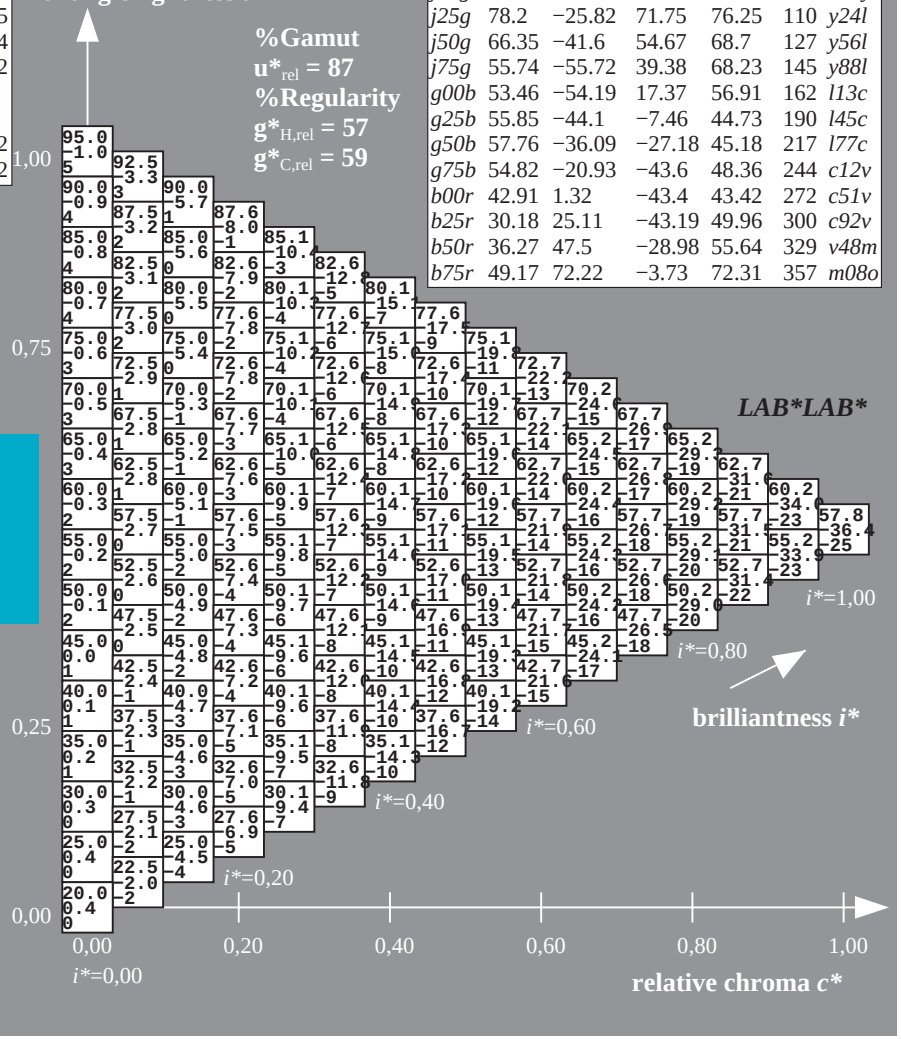
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 58 −36 −27
$LAB^*LCH^*_{Ma}$: 58 45 216
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.78
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

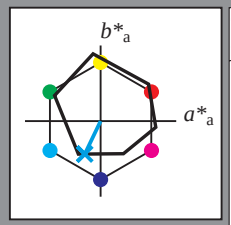




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$

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

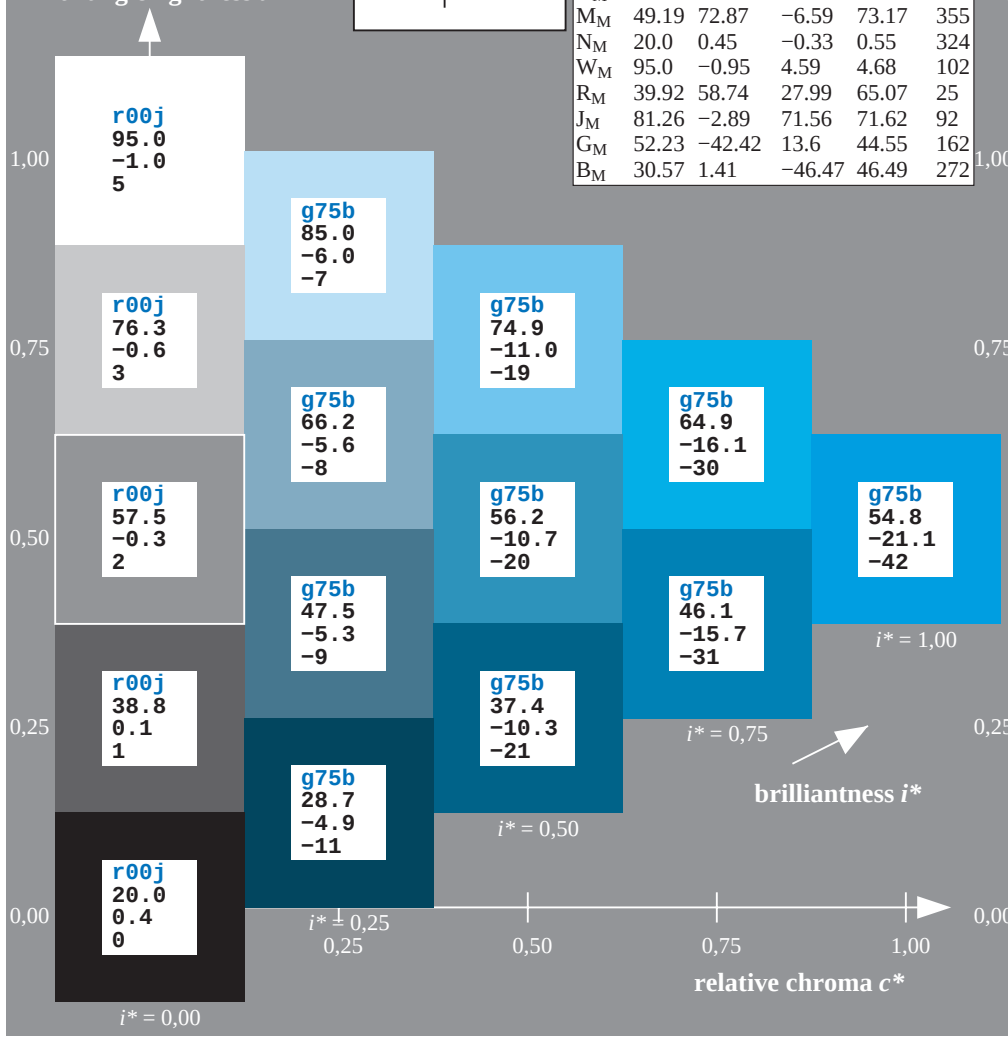
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g75b$ $u^*_d = c12v$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*

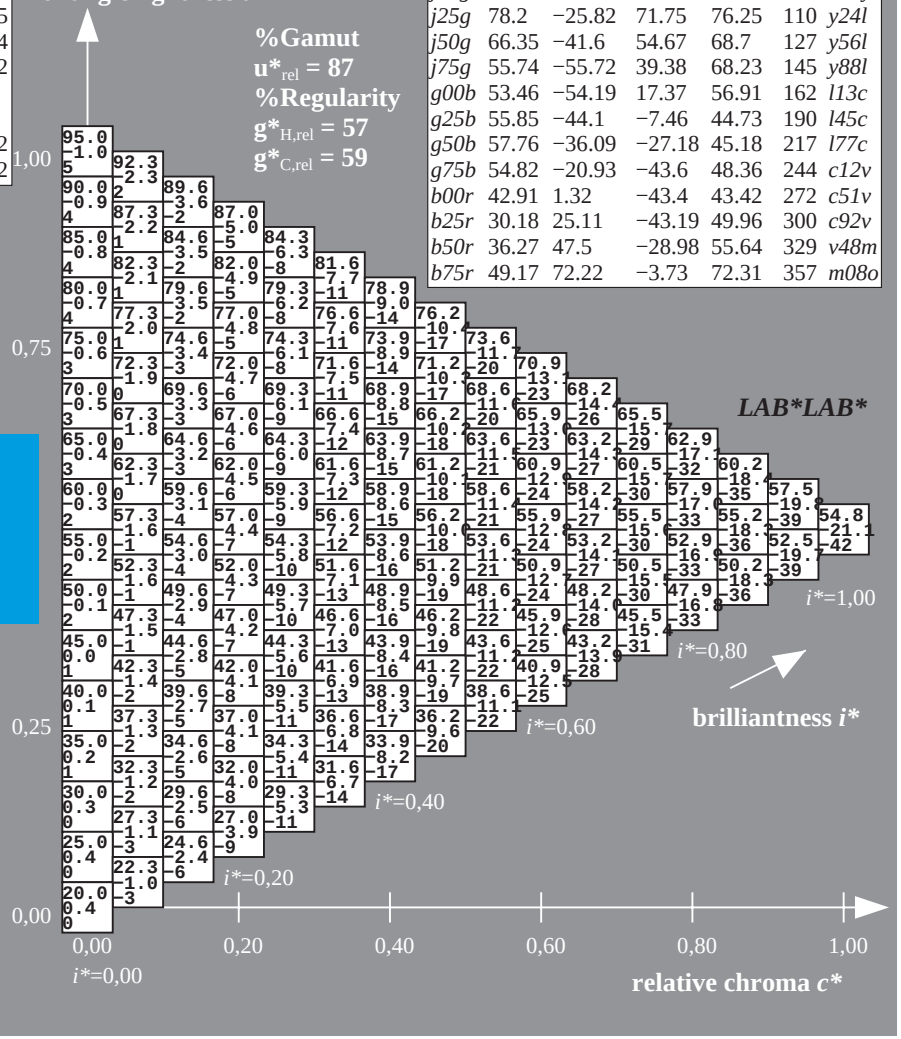


ORS18_95M; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −21 −44
$LAB^*LCH^*_{Ma}$: 55 48 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.88 1.0
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

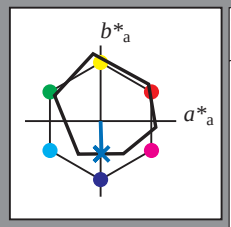




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

u^*_e = *b00r*
LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b00r* u^*_d = *c51v*
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



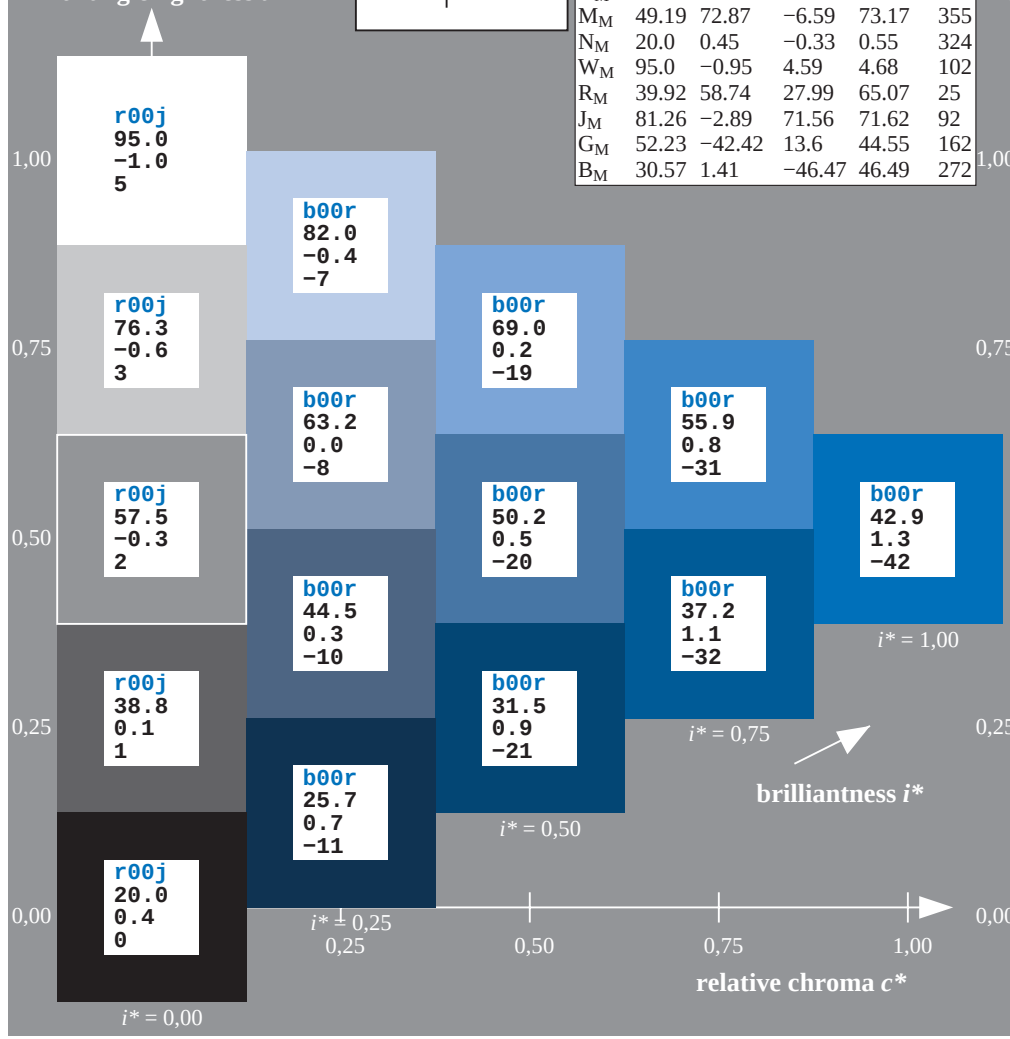
ORS18_95M; CIELAB data

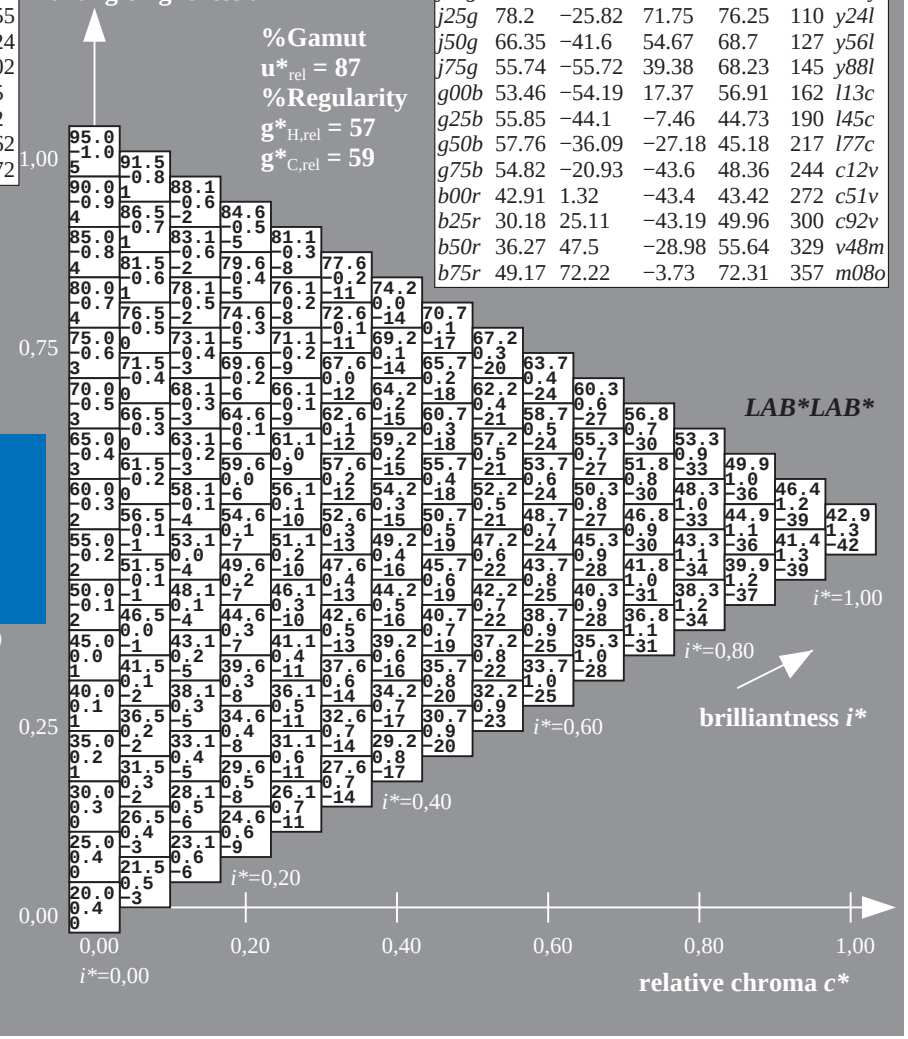
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 43 1 −43
LAB*LCH*$_{Ma}$: 43 43 271
lab*rgb*$_{Ma}$: 0.0 0.0 1.0
lab*olv*$_{Ma}$: 0.0 0.48 1.0
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*





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

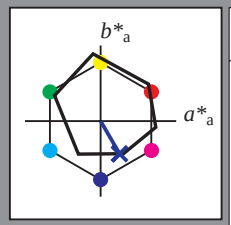
$u^*_e = b25r$
LAB*LAB*

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

Hue texts:
$u^*_e = b25r$ $u^*_d = c92v$

contrast reduction factor:
$c_R = 0.97$

triangle lightness *t**



ORS18_95M; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB*$_{Ma}$*: 30 25 −43**

***LAB*LCH*$_{Ma}$*: 30 50 300**

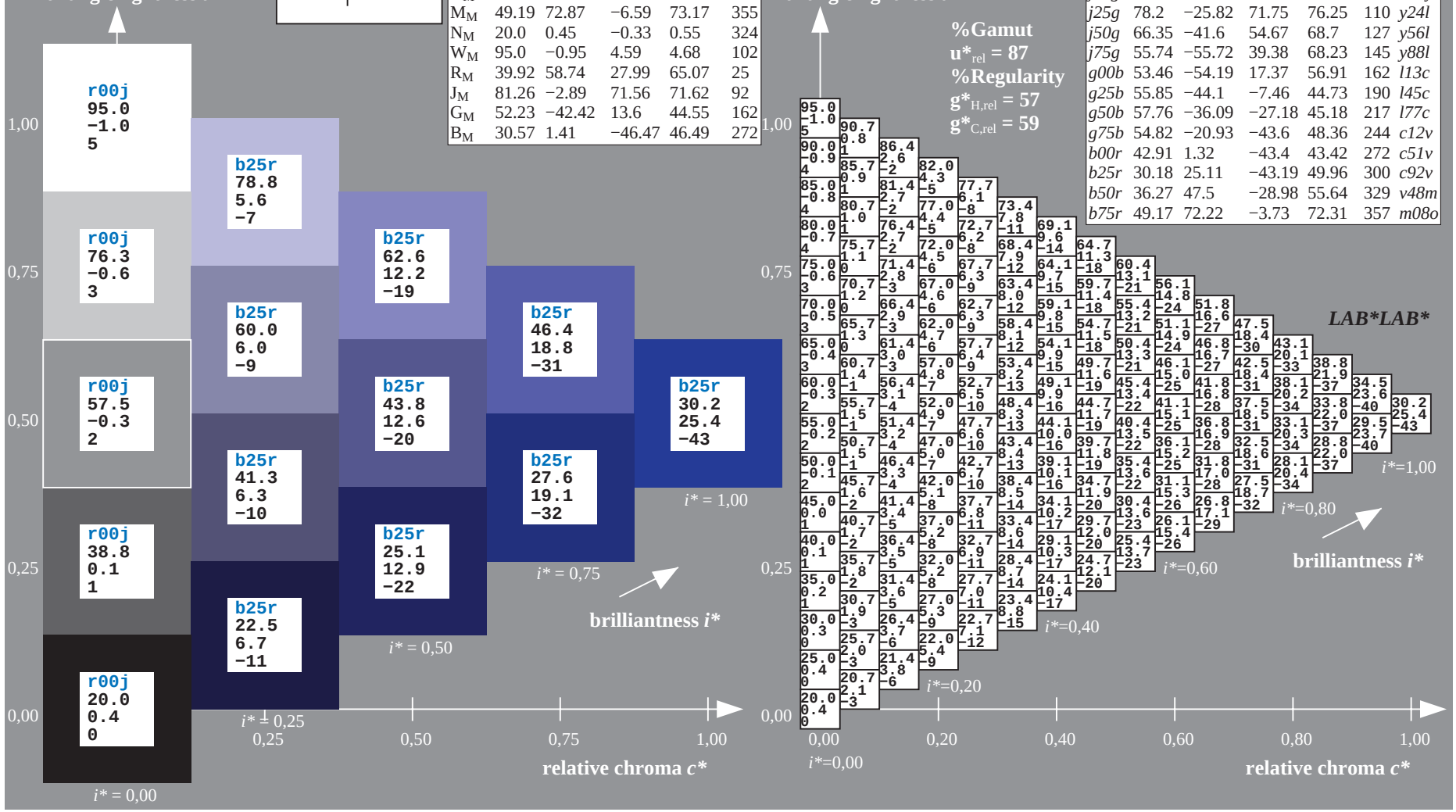
***lab*rgb*$_{Ma}$*: 0.5 0.0 1.0**

***lab*olv*$_{Ma}$*: 0.0 0.07 1.0**

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

triangle lightness *t**

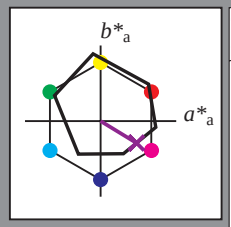
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



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

u^*_e = *b50r*
LAB*LAB*

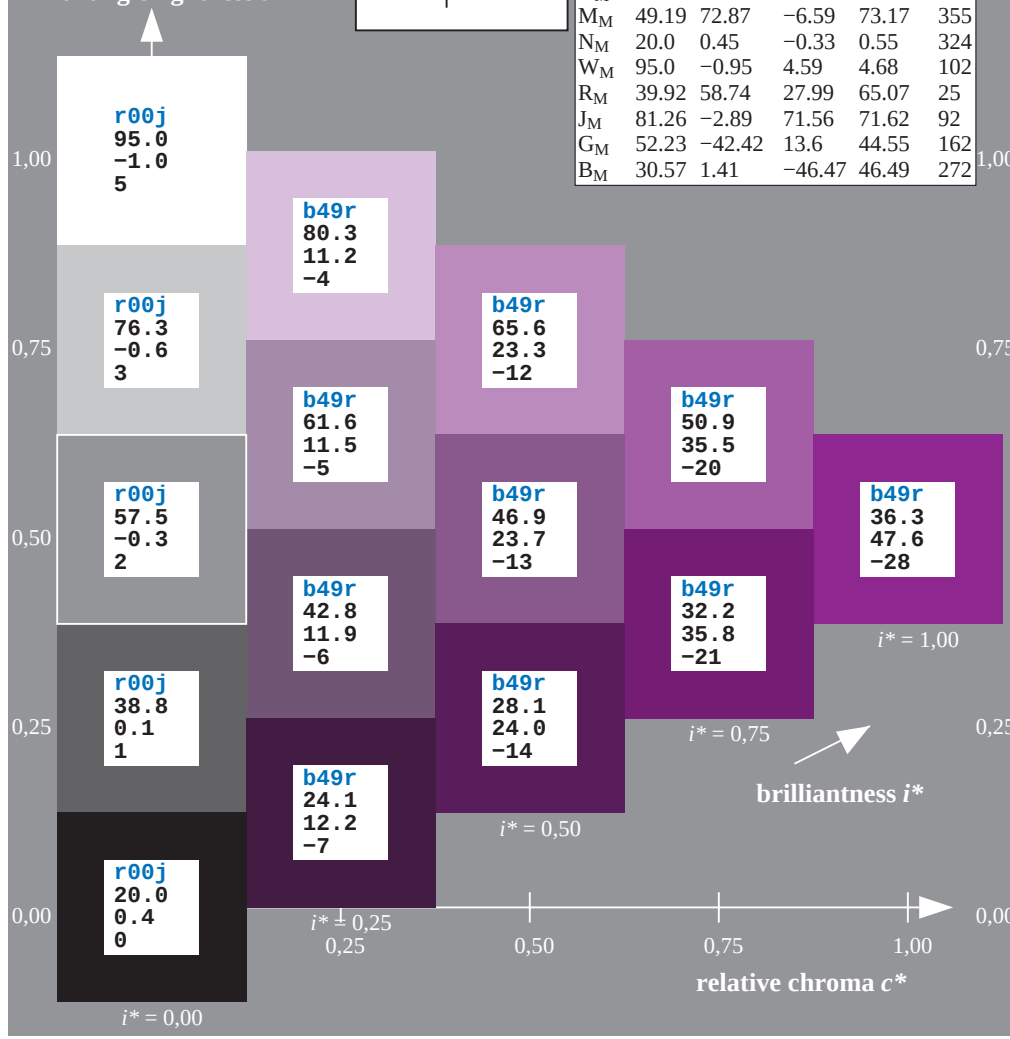
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b50r* u^*_d = *v48m*
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**

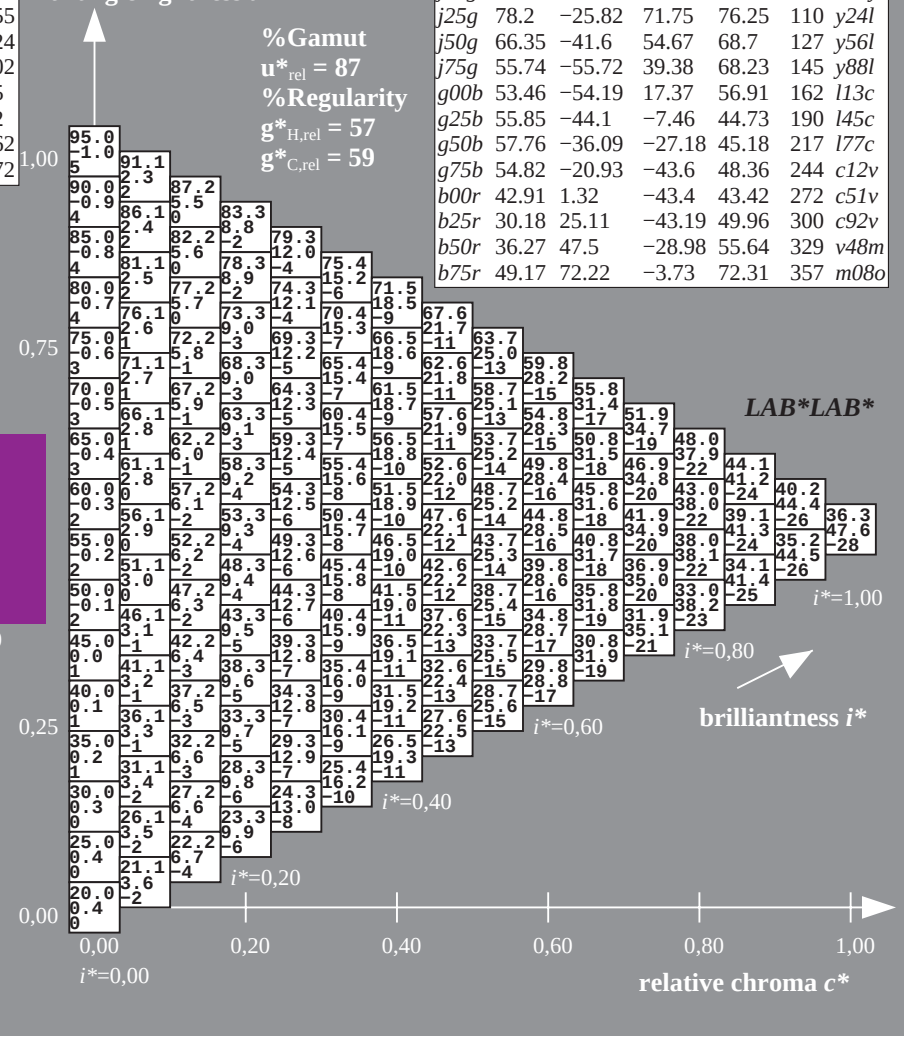


ORS18_95M; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 36 47 −29**
***LAB*LCH*$_{Ma}$*: 36 56 328**
***lab*rgb*$_{Ma}$*: 1.0 0.0 1.0**
***lab*olv*$_{Ma}$*: 0.49 0.0 1.0**
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

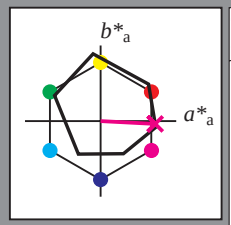




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

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

data for any colour:
lab*tch* and lab*icu*
Hue texts:
$u^*_e = b75r$ $u^*_d = m08o$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



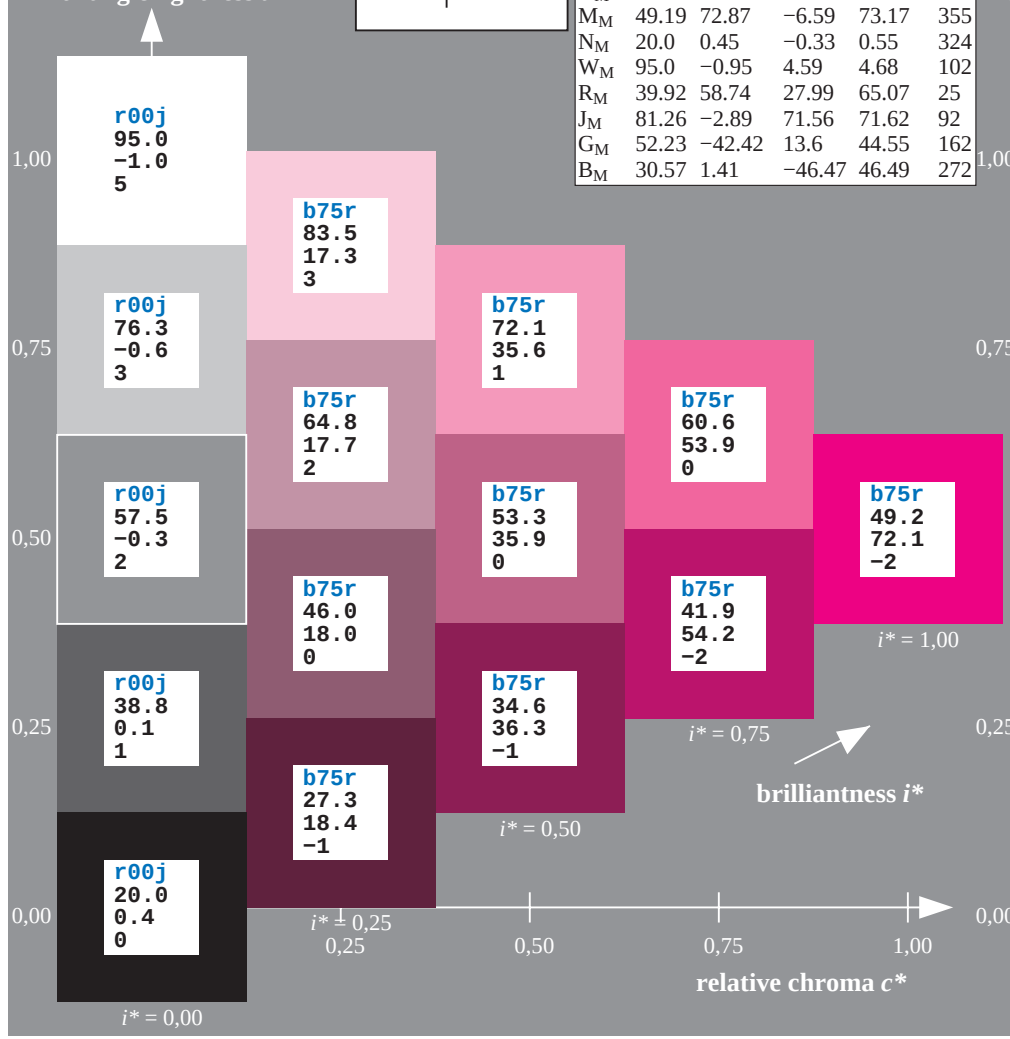
ORS18_95M; CIELAB data

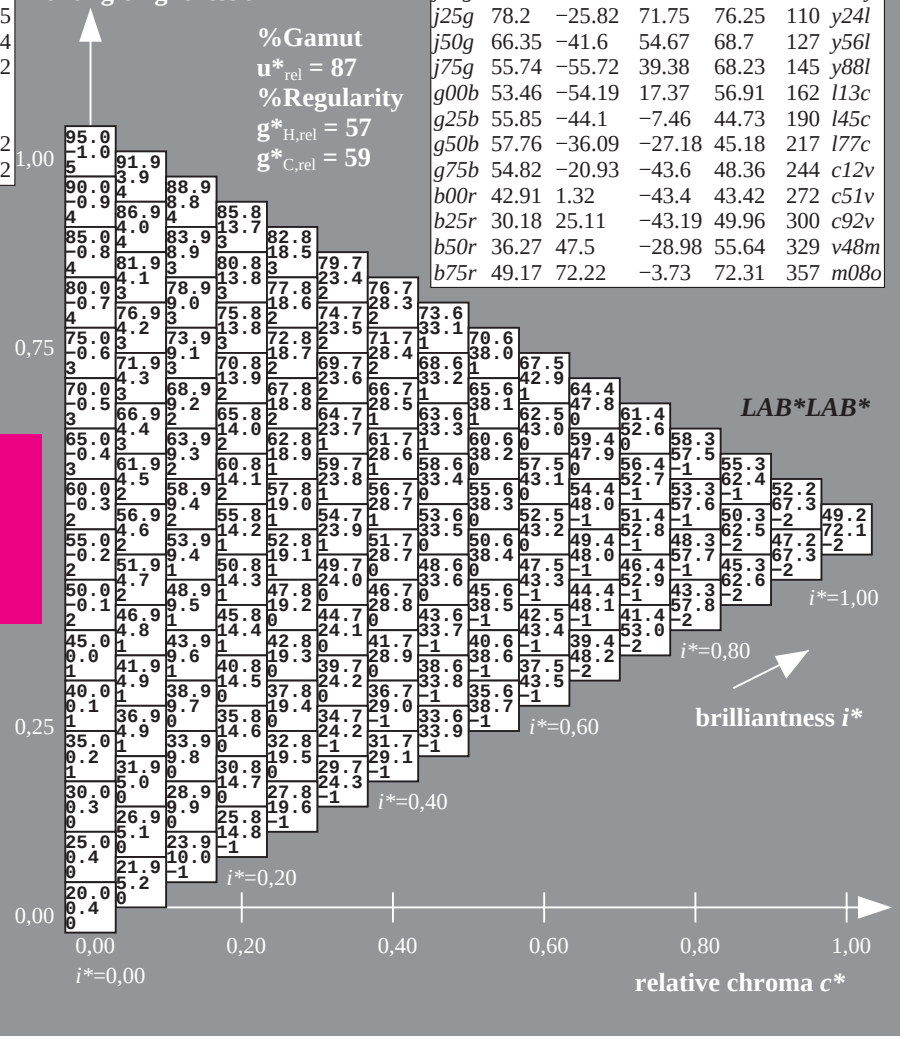
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 49 72 −4**
***LAB*LCH*$_{Ma}$*: 49 72 357**
***lab*rgb*$_{Ma}$*: 1.0 0.0 0.5**
***lab*olv*$_{Ma}$*: 1.0 0.0 0.92**
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*





	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*	LAB*		
01	20.0	24.0	28.0	32.0	35.9	39.9	43.9	47.9	51.9	23.6	28.8	32.2	36.1	40.1	44.1	48.1	52.1	56.1	27.3	32.1	37.5	40.5	44.3	48.2	52.2	56.2	60.2	95.0	89.3	83.5	77.8	72.0	66.3	60.5	54.8	49.0	20.0	20.0	20.0	20.0
	0.4	-7.2	-14.9	-22.6	-30.3	-38.0	-45.7	-53.3	-61.0	8.3	-1.0	-9.4	-17.1	-24.8	-32.4	-40.1	-47.8	-55.4	16.2	7.4	-2.4	-11.4	-19.3	-27.0	-34.7	-42.4	-50.0	-1.0	7.1	15.1	23.1	31.2	39.2	47.2	55.3	63.3	0.4	0.4	0.4	0.4
	0	4	9	13	18	22	27	31	36	6	11	15	19	24	28	33	37	42	12	17	23	26	30	35	39	44	48	5	10	16	22	28	33	39	45	50	0	0	0	0
02	20.9	24.9	29.0	33.2	37.2	41.3	45.3	49.4	53.4	23.6	29.4	33.4	37.3	41.3	45.3	49.3	53.3	57.3	27.3	33.0	38.1	41.5	45.5	49.5	53.5	57.5	61.5	90.5	85.6	79.9	74.1	68.4	62.6	56.9	51.1	45.4	29.4	29.4	29.4	29.4
	4.2	-3.3	-10.5	-17.6	-24.8	-32.2	-39.6	-47.1	-54.7	9.5	0.3	-7.4	-15.1	-22.8	-30.5	-38.1	-45.8	-53.5	17.4	8.1	-1.1	-9.6	-17.3	-25.0	-32.6	-40.3	-48.0	-4.5	-0.8	7.3	15.3	23.3	31.3	39.4	47.4	55.4	0.3	0.3	0.3	0.3
	-6	-5	-2	1	4	8	12	16	20	-1	0	5	9	14	18	23	27	32	5	7	12	16	20	25	29	34	38	-1	4	10	15	21	27	33	38	44	0	0	0	0
03	21.9	25.9	29.8	33.9	38.1	42.2	46.3	50.4	54.5	24.1	30.3	34.3	38.4	42.5	46.6	50.7	54.7	58.7	27.3	33.0	38.8	42.7	46.7	50.7	54.7	58.7	62.7	86.1	81.2	76.3	70.5	64.8	59.0	53.3	47.5	41.8	38.8	38.8	38.8	38.8
	8.0	0.4	-7.1	-14.4	-21.4	-28.4	-35.6	-42.8	-50.1	12.4	4.0	-3.5	-10.6	-17.7	-25.0	-32.4	-39.8	-47.3	18.6	9.3	0.1	-7.6	-15.3	-23.0	-30.6	-38.3	-46.0	-8.1	-4.4	-0.6	7.4	15.5	23.5	31.5	39.5	47.6	0.1	0.1	0.1	0.1
	-11	-11	-11	-7	-4	-1	2	5	9	-7	-5	-5	-2	1	5	9	12	16	-2	0	1	5	10	14	19	23	28	-7	-2	3	9	15	21	26	32	38	1	1	1	1
04	22.8	27.0	30.5	34.8	38.8	42.9	47.1	51.2	55.4	25.0	31.2	35.2	39.2	43.3	47.4	51.6	55.7	59.8	27.5	33.5	39.7	43.7	47.8	51.9	56.0	60.0	64.1	81.6	76.7	71.8	66.9	61.1	55.4	49.6	43.9	38.1	48.1	48.1	48.1	48.1
	11.7	3.8	-2.9	-10.9	-18.3	-25.3	-32.3	-39.3	-46.4	16.0	7.8	0.3	-7.3	-14.6	-21.5	-28.6	-35.7	-43.0	20.9	12.2	3.9	-3.7	-10.8	-17.9	-25.2	-32.6	-40.0	-11.7	-8.0	-4.2	-0.4	7.6	15.6	23.7	31.7	39.7	-0.1	-0.1	-0.1	-0.1
	-16	-16	-16	-16	-12	-9	-6	-3	0	-13	-10	-10	-10	-6	-4	-1	2	6	-8	-7	-4	-4	-1	2	5	9	13	-13	-8	-2	3	8	14	20	26	31	2	2	2	2
05	23.7	28.1	31.7	35.3	39.7	43.7	47.8	52.0	56.1	25.9	32.2	36.4	39.9	44.1	48.2	52.3	56.5	60.6	28.3	34.4	40.6	44.6	48.6	52.7	56.8	60.9	65.1	77.2	72.3	67.3	62.4	57.5	51.8	46.0	40.3	34.5	57.5	57.5	57.5	57.5
	15.5	7.2	0.4	-6.4	-14.6	-22.2	-29.2	-36.2	-43.2	19.8	11.5	3.6	-3.1	-11.0	-18.5	-25.5	-32.4	-39.5	24.3	15.9	7.6	0.1	-7.4	-14.7	-21.7	-28.8	-35.9	-15.3	-11.5	-7.8	-4.0	-0.3	7.8	15.8	23.8	31.9	-0.3	-0.3	-0.3	-0.3
	-22	-21	-21	-21	-21	-17	-14	-11	-8	-18	-16	-16	-15	-15	-11	-8	-6	-3	-14	-12	-10	-10	-9	-6	-3	0	3	-18	-13	-8	-3	2	8	14	19	25	2	2	2	2
06	24.7	29.2	32.9	36.4	40.1	44.6	48.6	52.7	56.9	26.9	33.1	37.5	41.1	44.7	49.1	53.1	57.2	61.4	29.1	35.3	41.6	45.8	49.3	53.5	57.5	61.7	65.8	72.7	67.8	62.9	58.0	53.0	48.1	42.4	36.6	30.9	66.9	66.9	66.9	66.9
	19.2	10.8	3.7	-2.9	-9.9	-18.4	-26.0	-33.1	-40.1	23.5	15.3	7.0	0.2	-6.5	-14.8	-22.3	-29.4	-36.4	27.9	19.6	11.4	3.4	-3.3	-11.2	-18.6	-25.6	-32.6	-18.9	-15.1	-11.4	-7.6	-3.8	-0.1	8.0	16.0	24.0	-0.4	-0.4	-0.4	-0.4
	-27	-27	-27	-26	-26	-26	-22	-19	-16	-23	-21	-21	-21	-20	-20	-16	-13	-10	-20	-17	-15	-15	-15	-15	-11	-8	-5	-24	-19	-14	-9	-4	2	7	13	19	3	3	3	3
07	25.6	30.2	34.0	37.6	41.1	44.9	49.5	53.5	57.6	27.8	34.0	38.5	42.3	45.8	49.5	54.0	58.0	62.1	30.0	36.2	42.5	46.9	50.5	54.1	58.4	62.4	66.6	68.3	63.3	58.4	53.5	48.6	43.7	38.8	33.0	27.3	76.3	76.3	76.3	76.3
	23.0	14.3	7.1	0.4	-6.3	-13.5	-22.1	-29.8	-37.0	27.2	19.0	10.6	3.6	-3.1	-10.1	-18.6	-26.2	-33.3	31.6	23.3	15.1	6.9	0.1	-6.7	-15.0	-22.5	-29.6	-22.5	-18.7	-15.0	-11.2	-7.4	-3.7	0.1	8.1	16.2	-0.6	-0.6	-0.6	-0.6
	-32	-32	-32	-32	-32	-31	-31	-27	-23	-29	-26	-26	-26	-26	-26	-25	-21	-18	-25	-23	-20	-20	-20	-20	-20	-16	-13	-30	-25	-20	-15	-9	-4	1	7	12	3	3	3	3
08	26.5	31.2	35.1	38.7	42.2	45.8	49.8	54.4	58.4	28.7	35.0	39.5	43.4	46.9	50.5	54.3	58.9	62.9	30.9	37.2	43.4	47.9	51.6	55.1	58.9	63.3	67.3	63.8	58.9	54.0	49.1	44.1	39.2	34.3	29.4	23.6	85.6	85.6	85.6	85.6
	26.7	18.0	10.5	3.7	-2.9	-9.7	-17.2	-25.9	-33.6	31.0	22.8	14.2	6.9	0.2	-6.4	-13.7	-22.3	-30.0	35.3	27.1	18.9	10.4	3.4	-3.2	-10.3	-18.7	-26.4	-26.1	-22.3	-18.6	-14.8	-11.0	-7.3	-3.5	0.3	8.3	-0.8	-0.8	-0.8	-0.8
	-38	-37	-37	-37	-37	-37	-37	-36	-32	-34	-32	-31	-31	-31	-31	-31	-31	-26	-30	-28	-26	-26	-25	-25	-25	-25	-20	-36	-31	-25	-20	-15	-10	-5	0	6	4	4	4	4
09	27.5	32.2	36.2	39.9	43.4	46.9	50.6	54.7	59.4	29.7	35.9	40.5	44.5	48.1	51.6	55.2	59.2	63.8	31.9	38.1	44.4	48.9	52.8	56.3	59.8	63.7	68.3	59.4	54.4	49.5	44.6	39.7	34.8	29.8	24.9	20.0	95.0	95.0	95.0	95.0
	30.5	21.6	14.0	7.0	0.4	-6.2	-13.2	-20.8	-29.7	34.8	26.5	17.8	10.3	3.5	-3.1	-9.9	-17.3	-26.1	39.1	30.8	22.6	14.0	6.7	0.1	-6.6	-13.9	-22.5	-29.7	-25.9	-22.1	-18.4	-14.6	-10.9	-7.1	-3.3	0.4	-1.0	-1.0	-1.0	-1.0
	-43	-43	-43	-42	-42	-42	-42	-42	-41	-39	-37	-37	-37	-36	-36	-36	-36	-36	-36	-33	-31	-31	-31	-31	-30	-30	-30	-41	-36	-31	-26	-21	-16	-11	-5	0	5	5	5	5
10	30.9	35.8	40.6	46.3	49.0	52.6	56.5	60.4	64.4	34.5	39.6	44.2	49.1	55.1	57.6	61.0	64.7	68.6	38.1	43.3	47.9	52.6	57.7	63.8	66.2	69.5	73.1	95.0	94.4	93.8	93.2	92.6	91.9	91.3	90.7	90.1	20.0	20.0	20.0	20.0
	24.0	15.1	6.6	-3.8	-13.1	-21.3	-29.2	-36.9	-44.6	31.9	22.8	14.4	5.5	-5.2	-14.8	-23.2	-31.2	-39.0	39.7	30.5	22.0	13.6	4.4	-6.6	-16.3	-25.0	-33.1	-1.0	-2.2	-3.4	-4.7	-5.9	-7.1	-8.3	-9.6	-10.8	0.4	0.4	0.4	0.4
	19	24	29	35	37	41	46	50	54	25	30	35	40	46	49	52	56	61	31	37	42	46	52	58	60	64	68	5	16	27	38	49	60	71	82	93	0	0	0	0
11	30.9	36.6	41.5	46.9	49.9	53.7	57.6	61.6	65.6	34.5	40.3	45.2	49.9	55.7	58.4	62.0	65.8	69.8	38.2	43.9	48.9	53.6	58.5	64.4	67.0	70.4	74.1	86.6	85.6	85.0	84.4	83.8	83.2	82.6	82.0	81.4	25.0	25.0	25.0	25.0
	25.3	16.0	7.2	-2.5	-11.5	-19.5	-27.2	-34.9	-42.5	33.2	23.8	14.9	6.4	-4.0	-13.3	-21.5	-29.3	-37.1	41.1	31.7	22.6	14.2	5.4	-5.4	-14.9	-23.4	-31.4	3.0	-0.8	-2.0	-3.2	-4.5	-5.7	-6.9	-8.2	-9.4	0.4	0.4	0.4	0.4
	11	13	18	24	27	31	35	40	44	17	19	24	29	35	38	42	46	51	23	26	31	36	41	47	49	53	57	-1	4	15	26	37	48	59	70	81	0	0	0	0
12	30.9	36.6	42.4	47.5	50.9	54.9	58.9	62.9	66.9	34.5	40.3	46.0	50.9	56.3	59.3	63.1	67.0	71.0	38.2	43.9	49.6	54.6	59.3	65.0	67.8	71.4	75.2	78.1	77.2	76.3	75.6	75.0	74.4	73.8	73.2	72.6	30.0	30.0	30.0	30.0
	26.4	17.2	8.0	-1.3	-9.8	-17.5	-25.1	-32.8	-40.5	34.4	25.1	15.8	7.1	-2.7	-11.7	-19.6	-27.4	-35.1	42.3	33.0	23.7	14.7	6.2	-4.1	-13.5	-21.7	-29.5	6.9	3.2	-0.6	-1.8	-3.1	-4.3	-5.5	-6.8	-8.0	0.3	0.3	0.3	0.3
	4	6	7	13	16	21	25	30	34	10	12	14	19	24	27	31	36	40	16	18	20	25	30	36	39	42	47	-7	-2	3	14	26	37	48	59	70	0	0	0	0
13	30.9	36.7	42.4	48.1	52.1	56.1	60.1	64.1	68.0	34.6	40.3	46.0	51.8	56.9	60.3	64.2	68.2	72.2	38.2	43.9	49.7	55.4	60.2	65.7	68.6	72.4	76.4	69.7	68.7	67.8	66.9	66.3	65.7	65.0	64.4	63.8	35.0	35.0	35.0	35.0
	27.6	18.4	9.1	-0.1	-7.8	-15.4	-23.1	-30.8	-38.5	35.5	26.3	17.1	7.8	-1.5	-10.0	-17.7	-25.3	-33.0	43.4	34.2	25.0	15.6	6.9	-2.9	-11.9	-19.8	-27.6	10.8	7.1	3.3	-0.4	-1.7	-2.9	-4.1	-5.4	-6.6	0.2	0.2	0.2	0.2
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14	31.0	36.9	42.9	49.1	53.0	57.2	61.3	65.4	69.4	34.6	40.3	46.0	51.8	57.5	61.5	65.5	69.5	73.4	38.2	43.9	49.7	55.4	61.1	66.3	69.7	73.6	77.6	61.2	60.3	59.4	58.4	57.5	56.9	56.3	55.7	55.1	40.0	40.0	40.0	40.0
	29.6	20.7	12.0	3.7	-3.8	-11.0	-18.1	-25.4	-32.7	36.7	27.4	18.2	9.0	-0.3	-7.9	-15.6	-23.3	-31.0	44.5	35.3	26.1	16.9	7.6	-1.7	-10.1	-17.8	-25.5	14.8	11.0	7.3	3.5	-0.3	-1.5	-2.7	-4.0	-5.2	0.1	0.1	0.1	0.1
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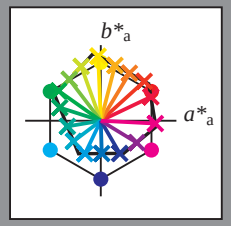
15	31.6	37.6	43.8	50.0	54.0	58.0	62.0	66.2	70.3	34.5	40.4	46.3	52.3	58.4	62.4	66.5	70.7	74.7	38.2	44.0	49.7	55.4	61.1	66.9	70.9	74.8	78.8	52.8	51.9	50.9	50.0	49.1	48.1	47.5	46.9	46.3	45.0	45.0	45.0	45.0
	32.8	24.1	15.7	7.4	-0.1	-7.6	-14.9	-21.9	-28.9	38.5	29.5	20.6	11.9	3.5	-4.0	-11.2	-18.3	-25.5	45.7	36.5	27.3	18.0	8.8	-0.4	-8.1	-15.8	-23.5	18.7	14.9	11.2	7.4	3.7	-0.1	-1.3	-2.5	-3.8	0.0	0.0	0.0	0.0
	-15	-13	-11	-9	-9	-9	-5	-2	0	-10	-9	-7	-5	-3	-3	0	3	7	-4	-3	-1	0	1	3	7	12	16	-25	-20	-14	-9	-4	2	13	24	35	1	1	1	1
16	32.4	38.5	44.7	50.9	55.1	58.7	62.9	66.9	71.1	35.0	41.0	47.0	53.1	59.4	63.4	67.3	71.4	75.6	38.1	43.9	49.8	55.6	61.6	67.8	71.8	75.9	80.0	44.4	43.4	42.5	41.6	40.6	39.7	38.8	38.1	37.5	50.0	50.0	50.0	50.0
	36.2	27.8	19.4	11.2	3.2	-3.4	-11.4	-18.8	-25.8	41.4	32.6	24.0	15.5	7.3	-0.3	-7.8	-15.1	-22.1	47.4	38.3	29.3	20.4	11.7	3.3	-4.2	-11.3	-18.4	22.6	18.9	15.1	11.4	7.6	3.9	0.1	-1.1	-2.4	-0.1	-0.1	-0.1	-0.1
	-21	-19	-17	-14	-14	-14	-14	-10	-7	-17	-15	-13	-11	-9	-8	-8	-5	-2	-11	-10	-8	-7	-5	-3	-2	1	4	-31	-26	-20	-15	-10	-4	1	12	23	2	2	2	2
17	33.3	39.4	45.6	51.9	56.2	59.8	63.4	67.8	71.8	35.7	41.8	47.9	54.1	60.3	64.5	68.0	72.3	76.3	38.5	44.4	50.4	56.4	62.5	68.7	72.7	76.7	80.8	35.9	35.0	34.0	33.1	32.2	31.2	30.3	29.4	28.8	55.0	55.0	55.0	55.0
	39.8	31.4	23.1	14.9	6.7	-0.1	-6.9	-15.1	-22.7	44.7	36.1	27.6	19.2	11.0	3.1	-3.6	-11.5	-19.0	50.1	41.2	32.4	23.8	15.3	7.1	-0.4	-8.0	-15.3	26.5	22.8	19.0	15.3	11.5	7.8	4.0	0.3	-1.0	-0.2	-0.2	-0.2	-0.2
	-26	-24	-22	-20	-20	-19	-19	-19	-15	-22	-20	-18	-16	-14	-14	-13	-13	-9	-18	-16	-14	-12	-10	-8	-8	-8	-4	-37	-32	-26	-21	-16	-10	-5	0	11	2	2	2	2
18	34.1	40.3	46.5	52.8	57.3	61.0	64.5	68.2	72.7	36.5	42.6	48.8	55.0	61.2	65.6	69.2	72.8	77.2	39.1	45.1	51.2	57.3	63.4	69.7	73.9	77.4	81.6	27.5	26.5	25.6	24.7	23.7	22.8	21.9	20.9	20.0	60.0	60.0	60.0	60.0
	43.5	35.2	26.9	18.7	10.2	3.2	-3.4	-10.4	-18.9	48.2	39.7	31.3	23.0	14.8	6.5	-0.3	-7.1	-15.3	53.2	44.5	35.9	27.4	19.1	10.8	2.9	-3.8	-11.7	30.5	26.7	23.0	19.2	15.5	11.7	8.0	4.2	0.4	-0.3	-0.3	-0.3	-0.3
	-32	-30	-27	-25	-25	-25	-25	-24	-24	-28	-26	-24	-21	-19	-19	-19	-19	-18	-23	-22	-20	-18	-16	-13	-13	-13	-13	-43	-38	-32	-27	-22	-16	-11	-6	0	2	2	2	2
19	41.8	46.9	51.7	56.3	61.1	66.4	72.6	74.9	78.0	45.4	50.6	55.4	60.0	64.7	69.6	75.1	81.4	83.6	49.0	54.2	59.1	63.8	68.4	73.2	78.2	83.8	90.1	95.0	89.6	84.2	78.8	73.4	68.0	62.7	57.3	51.9	65.0	65.0	65.0	65.0
	47.6	38.2	29.7	21.3	12.7	3.2	-8.0	-17.9	-26.7	55.4	46.0	37.4	29.0	20.6	11.7	1.9	-9.4	-19.4	63.3	53.8	45.1	36.6	28.3	19.7	10.6	0.6	-10.8	-1.0	-8.5	-16.0	-23.5	-31.0	-38.5	-46.0	-53.5	-61.0	-0.4	-0.4	-0.4	-0.4
	38	43	48	53	58	63	70	72	75	44	50	55	59	64	69	75	81	83	50	56	61	66	71	76	81	87	93	5	8	12	16	20	24	28	32	36	3	3	3	3
20	41.8	47.5	52.6	57.3	62.0	67.1	73.2	75.6	78.9	45.4	51.1	56.3	61.1	65.7	70.5	75.8	82.0	84.3	49.0	54.8	60.0	64.8	69.4	74.1	79.0	84.4	90.7	89.3	85.6	80.2	74.8	69.5	64.1	58.7	53.3	47.9	70.0	70.0	70.0	70.0
	48.9	39.5	30.3	21.9	13.4	4.2	-6.8	-16.5	-25.2	56.8	47.4	38.1	29.5	21.2	12.5	3.0	-8.2	-18.1	64.7	55.3	45.9	37.2	28.8	20.4	11.5	1.8	-9.6	8.3	-0.8	-8.3	-15.8	-23.3	-30.8	-38.3	-45.8	-53.3	-0.5	-0.5	-0.5	-0.5
	30	32	37	42	47	52	59	61	64	36	38	44	49	54	58	64	70	72	42	45	50	55	60	65	70	76	82	3	4	8	12	16	19	23	27	31	3	3	3	3
21	41.8	47.5	53.3	58.3	63.0	67.9	73.8	76.3	79.8	45.4	51.2	56.9	62.0	66.7	71.4	76.5	82.6	85.0	49.1	54.8	60.5	65.7	70.4	75.1	79.9	85.1	91.3	83.5	79.9	76.3	70.9	65.5	60.1	54.7	49.3	43.9	75.0	75.0	75.0	75.0
	50.2	40.9	31.5	22.4	14.0	5.2	-5.5	-15.1	-23.5	58.1	48.8	39.4	30.1	21.7	13.2	4.1	-6.9	-16.7	65.9	56.6	47.2	37.9	29.3	21.0	12.3	2.8	-8.3	17.5	8.5	-0.6	-8.1	-15.6	-23.1	-30.6	-38.1	-45.7	-0.6	-0.6	-0.6	-0.6
	22	24	26	32	36	41	48	50	54	28	30	33	38	43	48	53	59	61	35	37	39	44	49	54	59	65	71	2	3	3	7	11	15	19	23	27	3	3	3	3
22	41.8	47.6	53.3	59.0	64.0	68.7	74.4	77.1	80.7	45.4	51.2	56.9	62.6	67.7	72.3	77.2	83.2	85.7	49.1	54.8	60.5	66.3	71.4	76.1	80.7	85.8	91.9	77.8	74.2	70.5	66.9	61.5	56.1	50.7	45.3	39.9	80.0	80.0	80.0	80.0
	51.3	42.1	32.8	23.5	14.5	6.0	-4.3	-13.6	-21.8	59.2	50.0	40.7	31.3	22.2	13.8	5.0	-5.7	-15.3	67.1	57.9	48.6	39.2	30.0	21.5	13.1	3.9	-7.1	26.7	17.7	8.6	-0.4	-7.9	-15.4	-23.0	-30.5	-38.0	-0.7	-0.7	-0.7	-0.7
	15	17	18	21	26	31	37	39	43	21	23	25	27	32	37	42	48	51	28	29	31	33	39	43	48	54	60	0	1	2	3	7	10	14	18	22	4	4	4	4
23	41.8	47.6	53.3	59.0	64.8	69.6	75.0	78.0	81.8	45.5	51.2	56.9	62.7	68.4	73.3	78.1	83.8	86.5	49.1	54.8	60.6	66.3	72.0	77.1	81.7	86.6	92.6	72.1	68.4	64.8	61.1	57.5	52.1	46.7	41.3	35.9	85.0	85.0	85.0	85.0
	52.5	43.2	34.0	24.8	15.5	6.7	-3.1	-12.1	-20.0	60.4	51.1	41.9	32.7	23.3	14.4	5.9	-4.5	-13.8	68.3	59.1	49.8	40.5	31.2	22.1	13.7	4.8	-5.9	36.0	26.9	17.9	8.8	-0.3	-7.8	-15.3	-22.8	-30.3	-0.8	-0.8	-0.8	-0.8
	9	10	11	13	15	20	26	28	33	15	16	17	19	21	26	31	37	40	21	22	24	25	28	33	38	43	49	-1	0	1	1	2	6	10	14	18	4	4	4	4
24	41.9	47.6	53.3	59.0	64.8	70.5	75.6	79.0	83.0	45.5	51.2	56.9	62.7	68.4	74.1	79.0	84.4	87.4	49.1	54.8	60.6	66.3	72.0	77.8	82.7	87.4	93.2	66.4	62.7	59.1	55.4	51.8	48.1	42.7	37.3	32.0	90.0	90.0	90.0	90.0
	53.6	44.4	35.1	25.9	16.7	7.4	-1.8	-10.3	-18.0	61.5	52.3	43.1	33.8	24.6	15.3	6.5	-3.2	-12.2	69.4	60.2	51.0	41.7	32.5	23.1	14.2	5.7	-4.7	45.2	36.1	27.1	18.0	9.0	-0.1	-7.6	-15.1	-22.6	-0.9	-0.9	-0.9	-0.9
	2	3	5	6	7	9	14	18	22	8	9	11	12	13	15	20	26	29	14	15	17	18	20	22	27	32	38	-2	-2	-1	0	1	2	5	9	13	4	4	4	4
25	41.9	47.6	53.3	59.1	64.8	70.5	76.3	80.2	84.2	45.5	51.2	57.0	62.7	68.4	74.1	79.9	85.0	88.4	49.1	54.9	60.6	66.3	72.0	77.8	83.5	88.4

Input and output:
Colorimetric Printer Reflective System ORS18_95aM
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.97

ORS18_95aM; adapted (a) CIELAB data

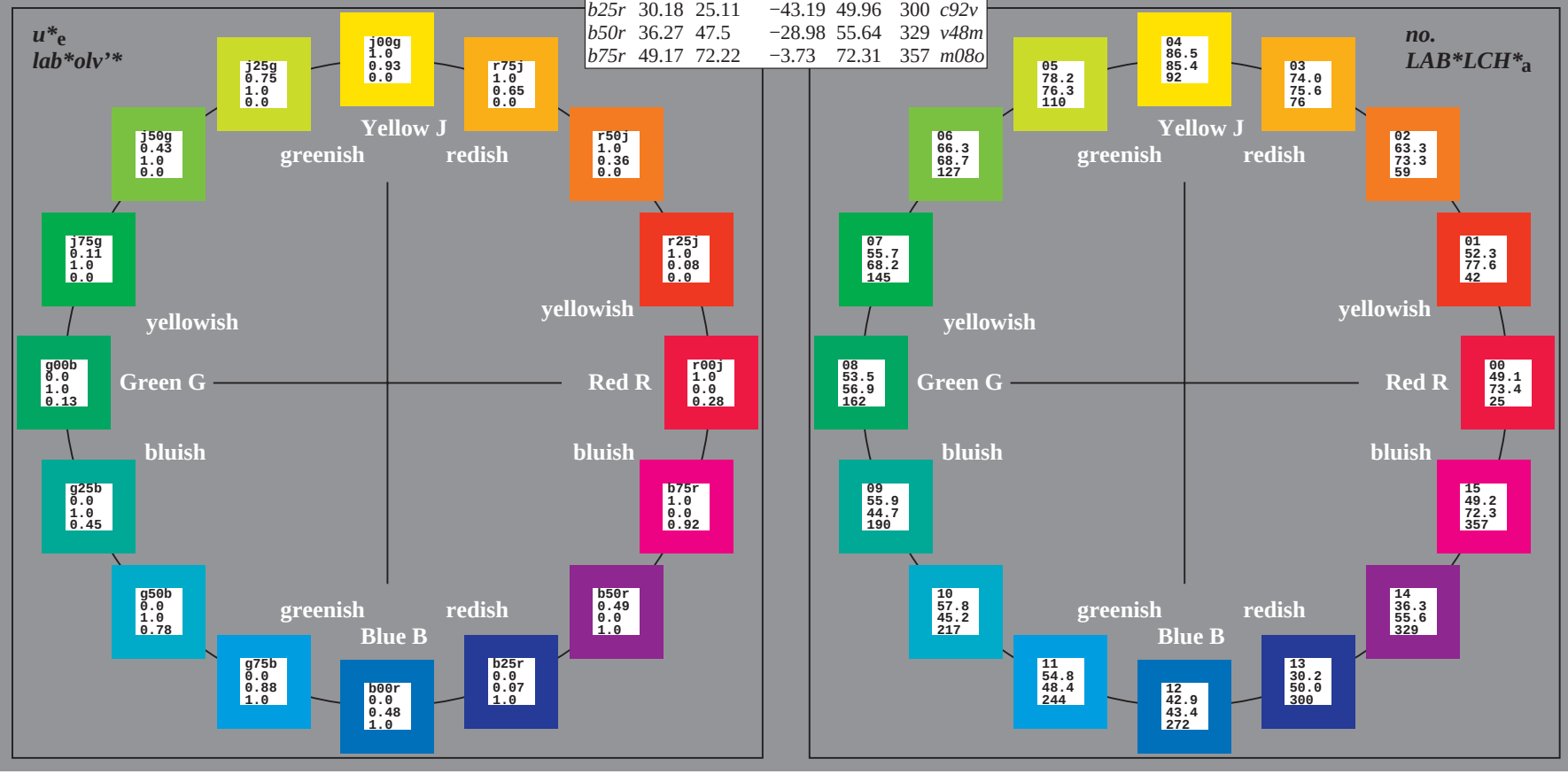
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; CIELAB data

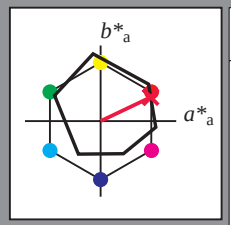
Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

u^*_e = *r00j*
lab*olv'*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m72o*
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



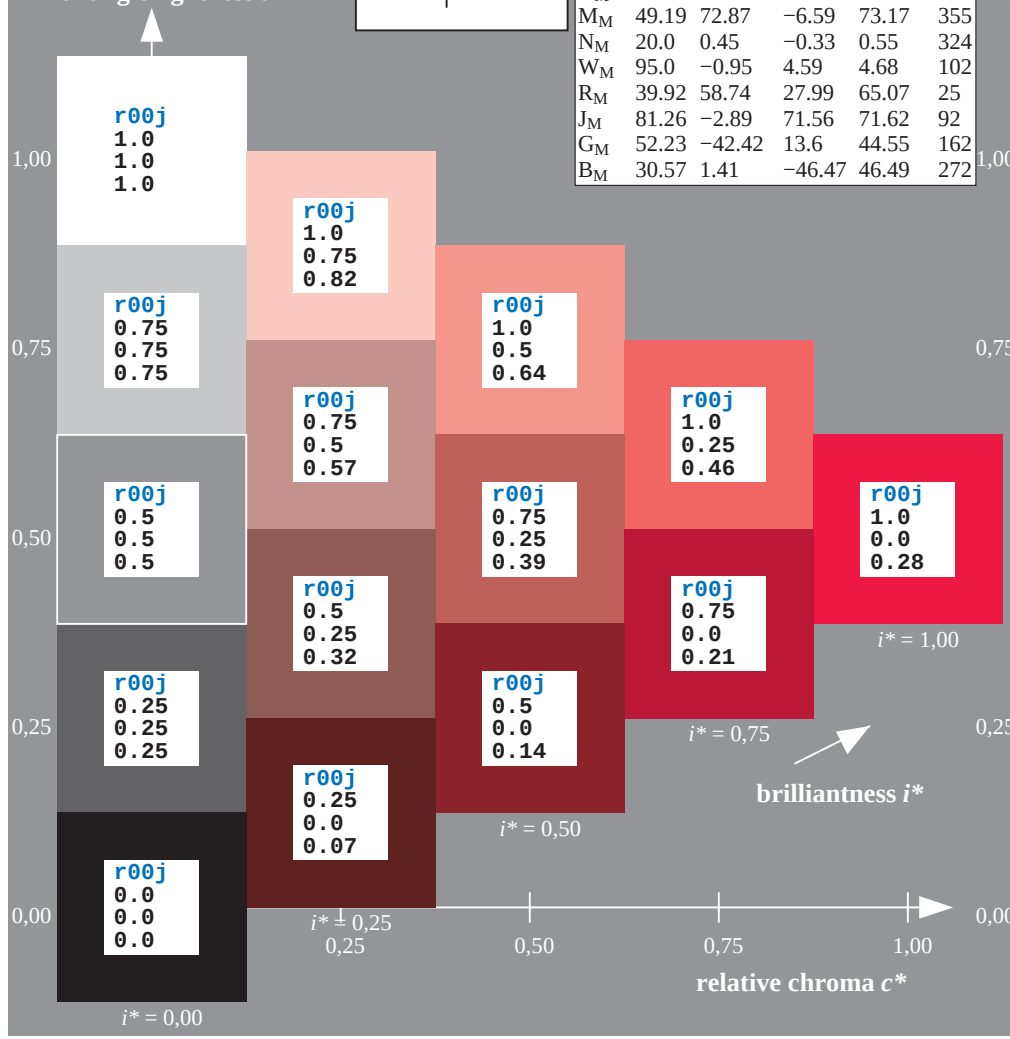
ORS18_95aM; CIELAB data

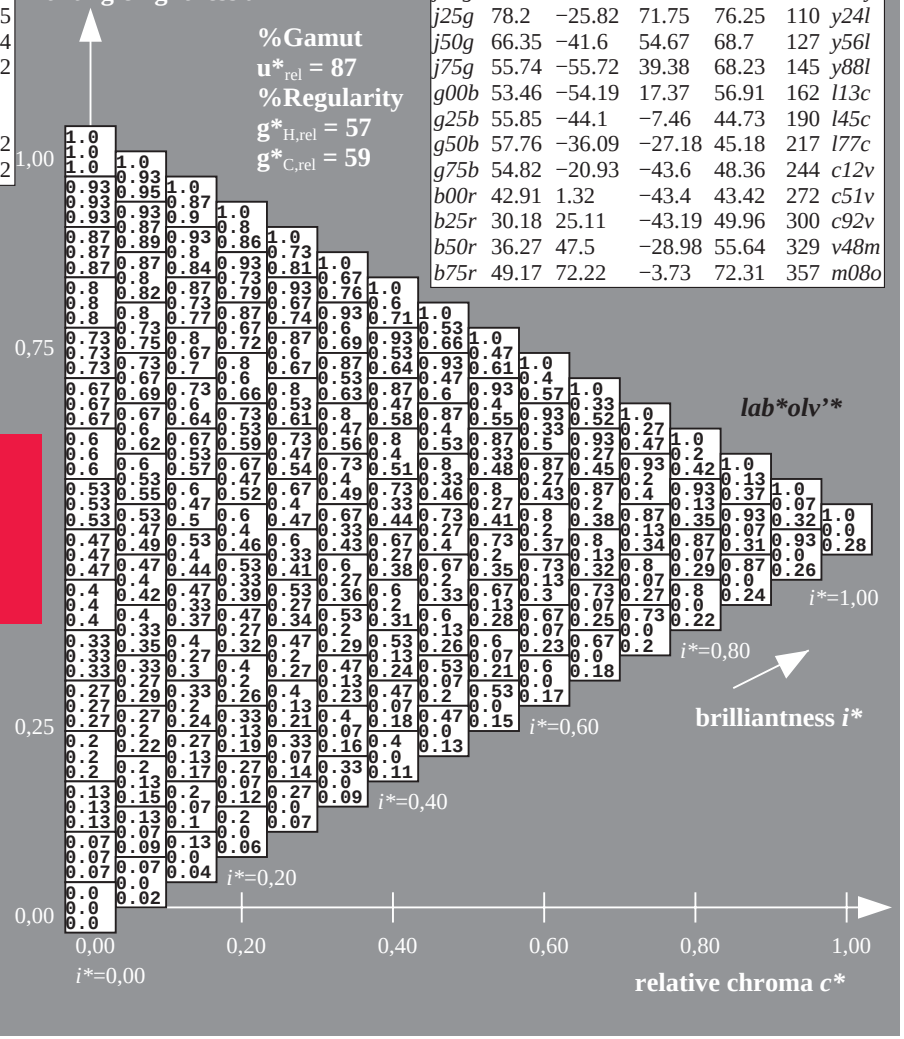
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 49 66 32
LAB*LCH*$_{Ma}$: 49 73 25
lab*rgb*$_{Ma}$: 1.0 0.0 0.0
lab*olv*$_{Ma}$: 1.0 0.0 0.28
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

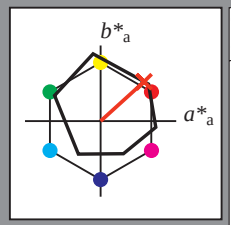




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

$u^*_e = r25j$
lab*olv'*

data for any colour:
lab*tch **and** ***lab*icu****
Hue texts:
$u^*_e = r25j$ $u^*_d = o08y$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



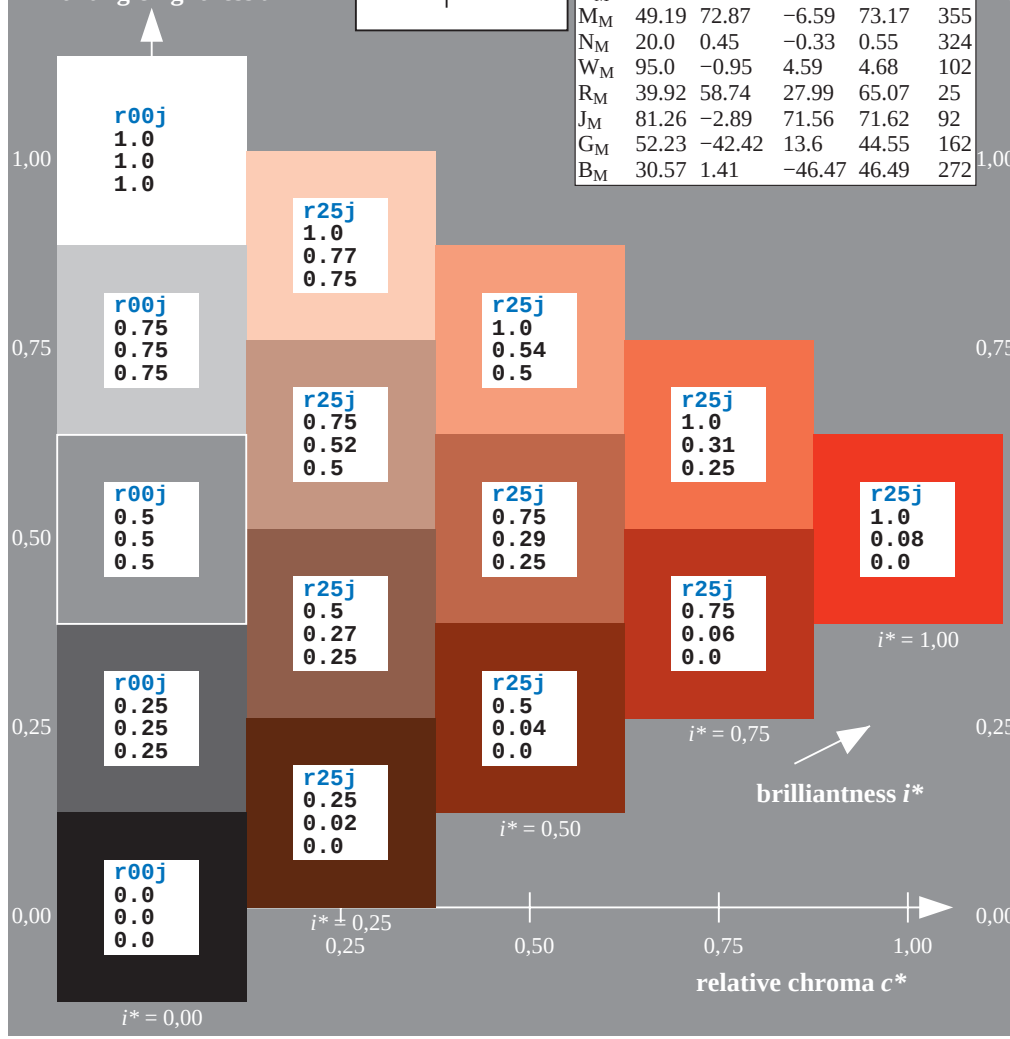
ORS18_95aM; CIELAB data

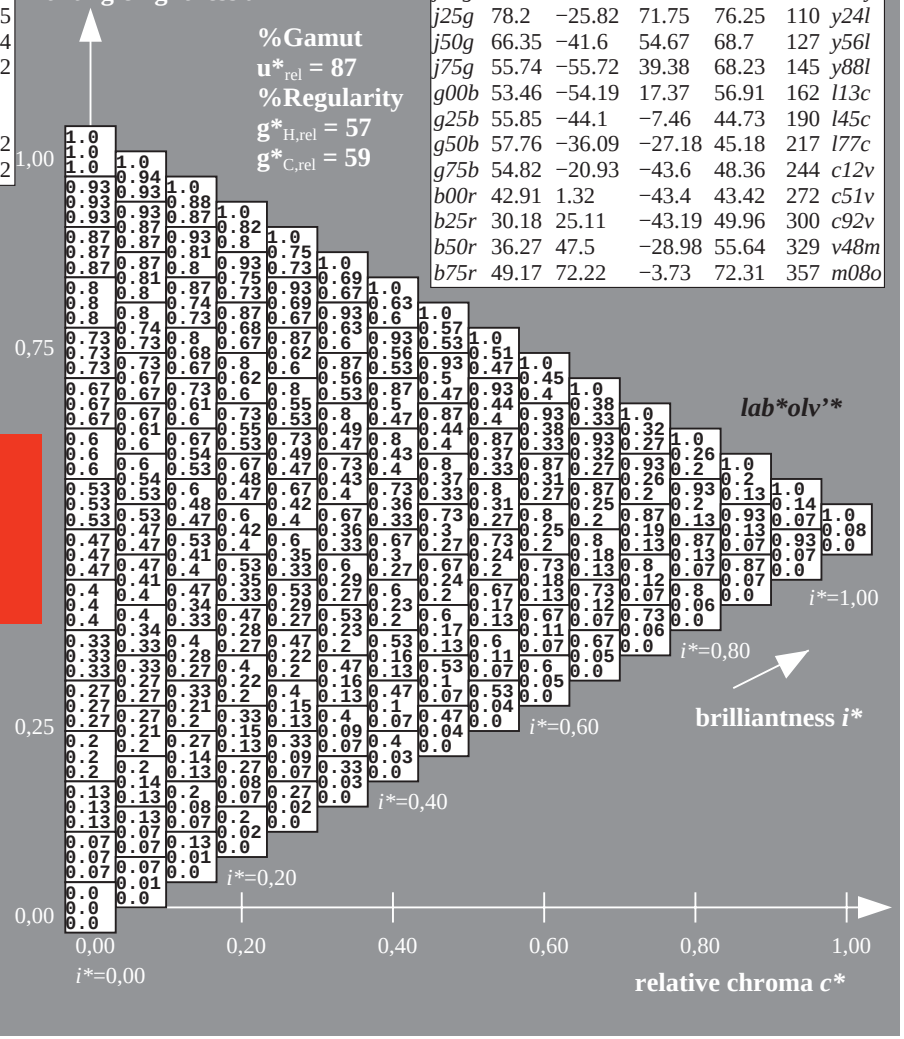
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 52 57 52**
***LAB*LCH*Ma*: 52 78 42**
***lab*rgb*Ma*: 1.0 0.25 0.0**
***lab*olv*Ma*: 1.0 0.08 0.0**
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

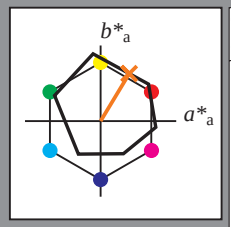




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

$u^*_e = r50j$
lab*olv'*

data for any colour:
lab*tch **and** ***lab*icu****
Hue texts:
$u^*_e = r50j$ $u^*_d = o36y$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; CIELAB data

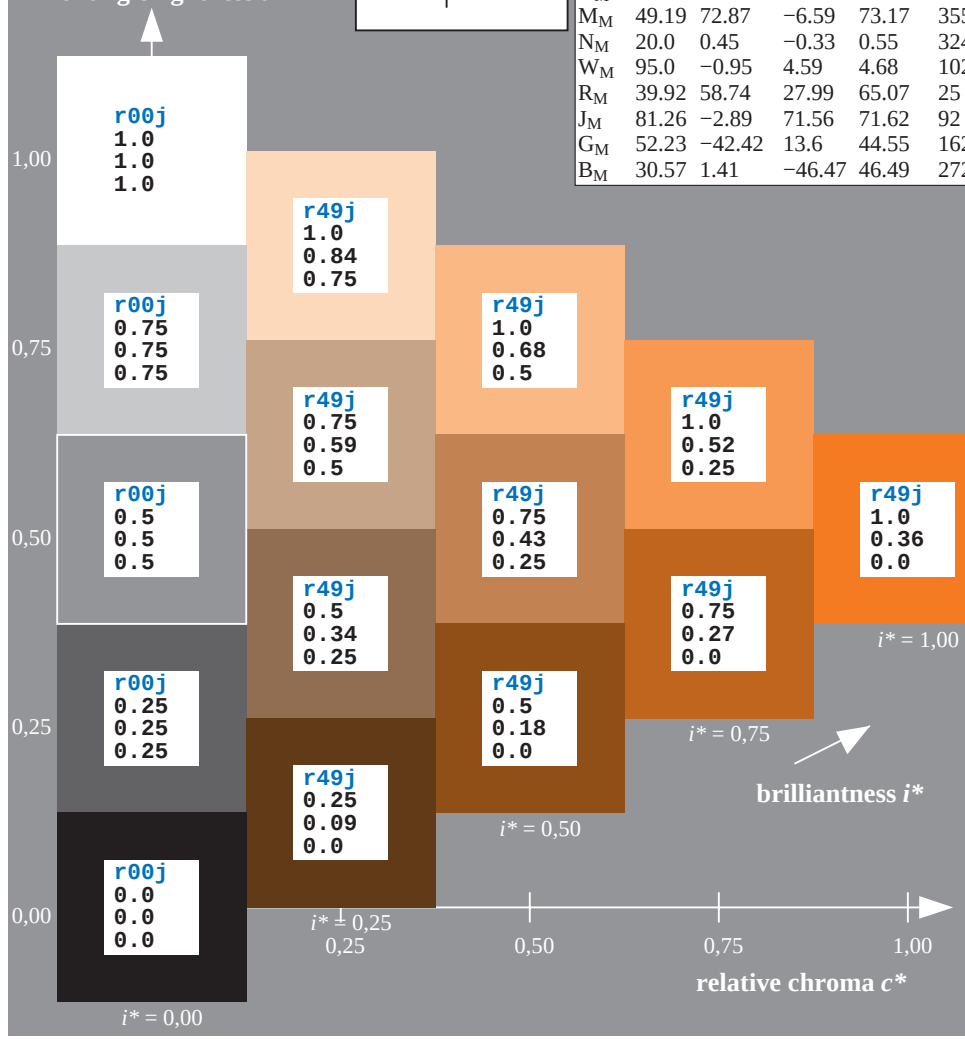
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 63 38 63**
***LAB*LCH*Ma*: 63 73 58**
***lab*rgb*Ma*: 1.0 0.5 0.0**
***lab*olv*Ma*: 1.0 0.36 0.0**

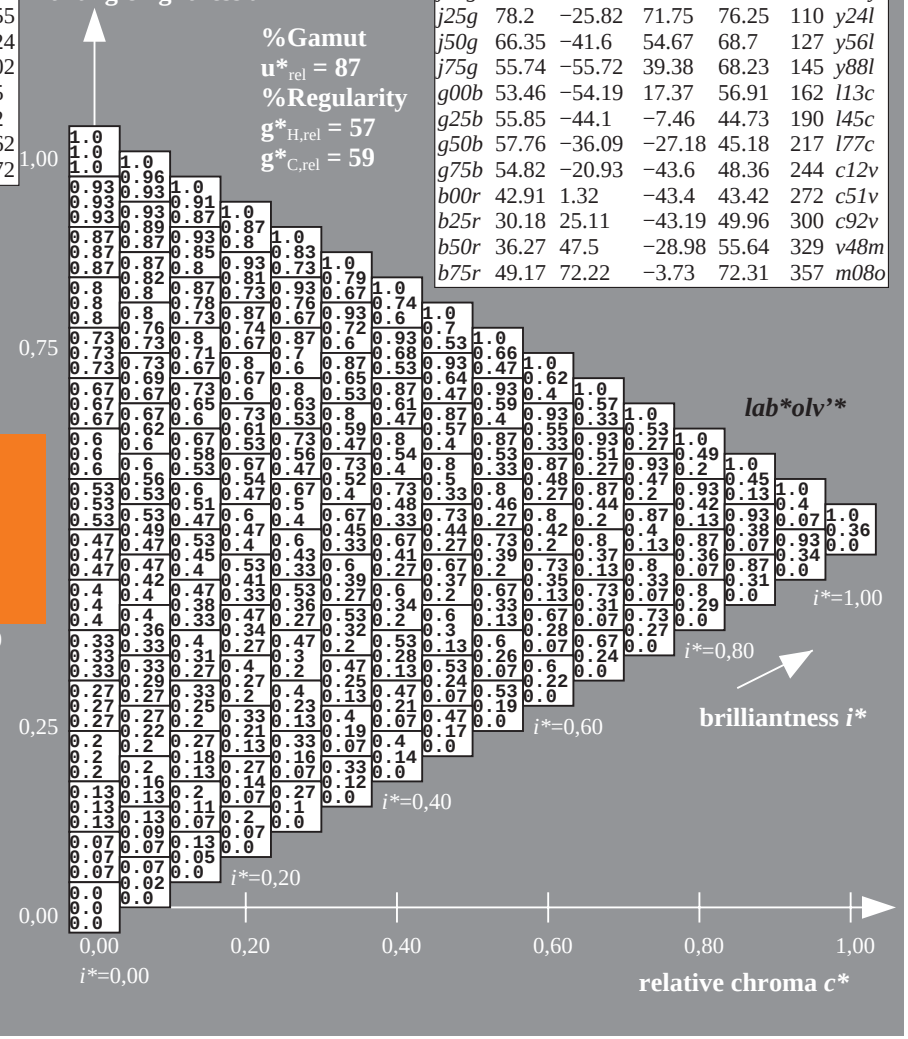
ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

triangle lightness *t**



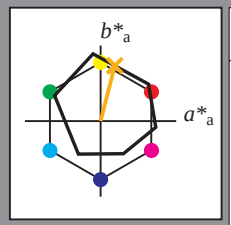
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

$u^*_e = r75j$
lab*olv'*

data for any colour:
lab*tch **and** ***lab*icu****
Hue texts:
$u^*_e = r75j$ $u^*_d = o64y$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; CIELAB data

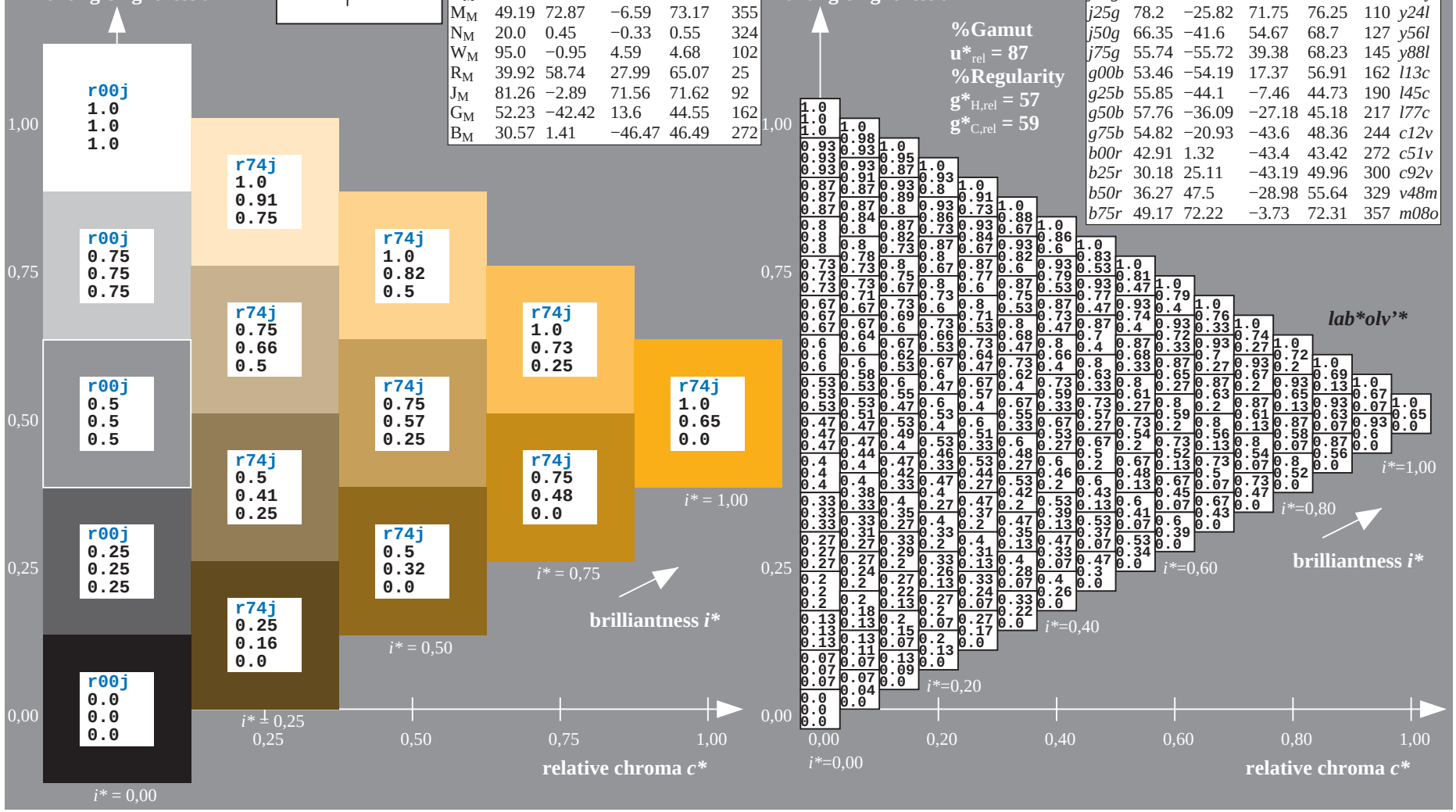
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 74 19 73**
***LAB*LCH*Ma*: 74 76 75**
***lab*rgb*Ma*: 1.0 0.75 0.0**
***lab*olv*Ma*: 1.0 0.65 0.0**
triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

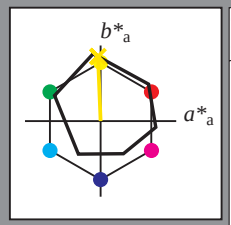
$u^*_e = j00g$
$lab^*olv'^*$

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

Hue texts:
$u^*_e = j00g$ $u^*_d = o92y$

contrast reduction factor:
$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

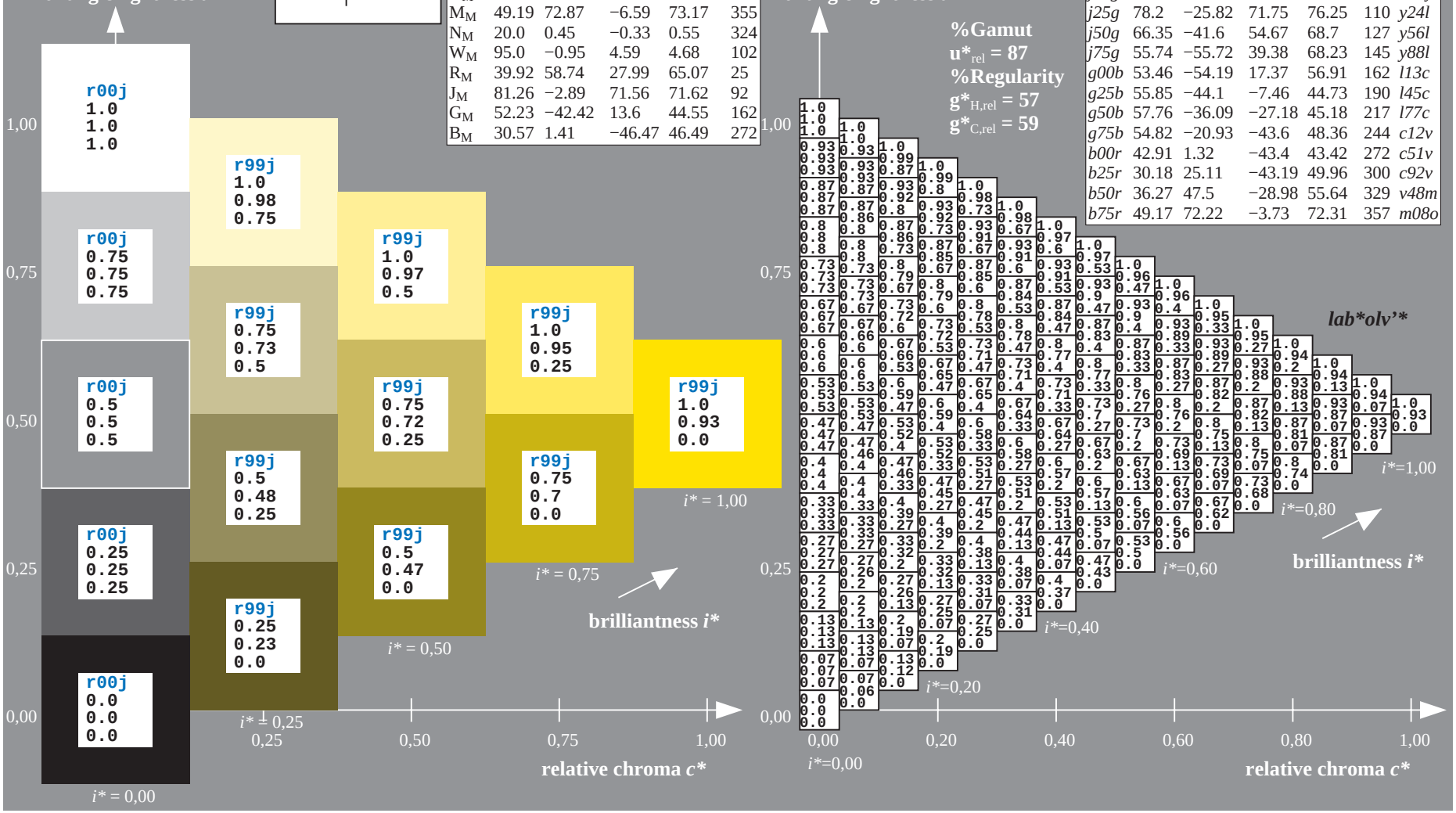
***LAB*LAB*Ma*: 86 −3 85**
***LAB*LCH*Ma*: 86 85 92**
***lab*rgb*Ma*: 1.0 1.0 0.0**
***lab*olv*Ma*: 1.0 0.93 0.0**

triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

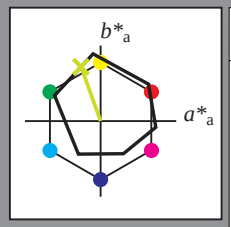
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

$u^*_e = j25g$
$lab^*olv'^*$

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = j25g$ $u^*_d = y24l$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; CIELAB data

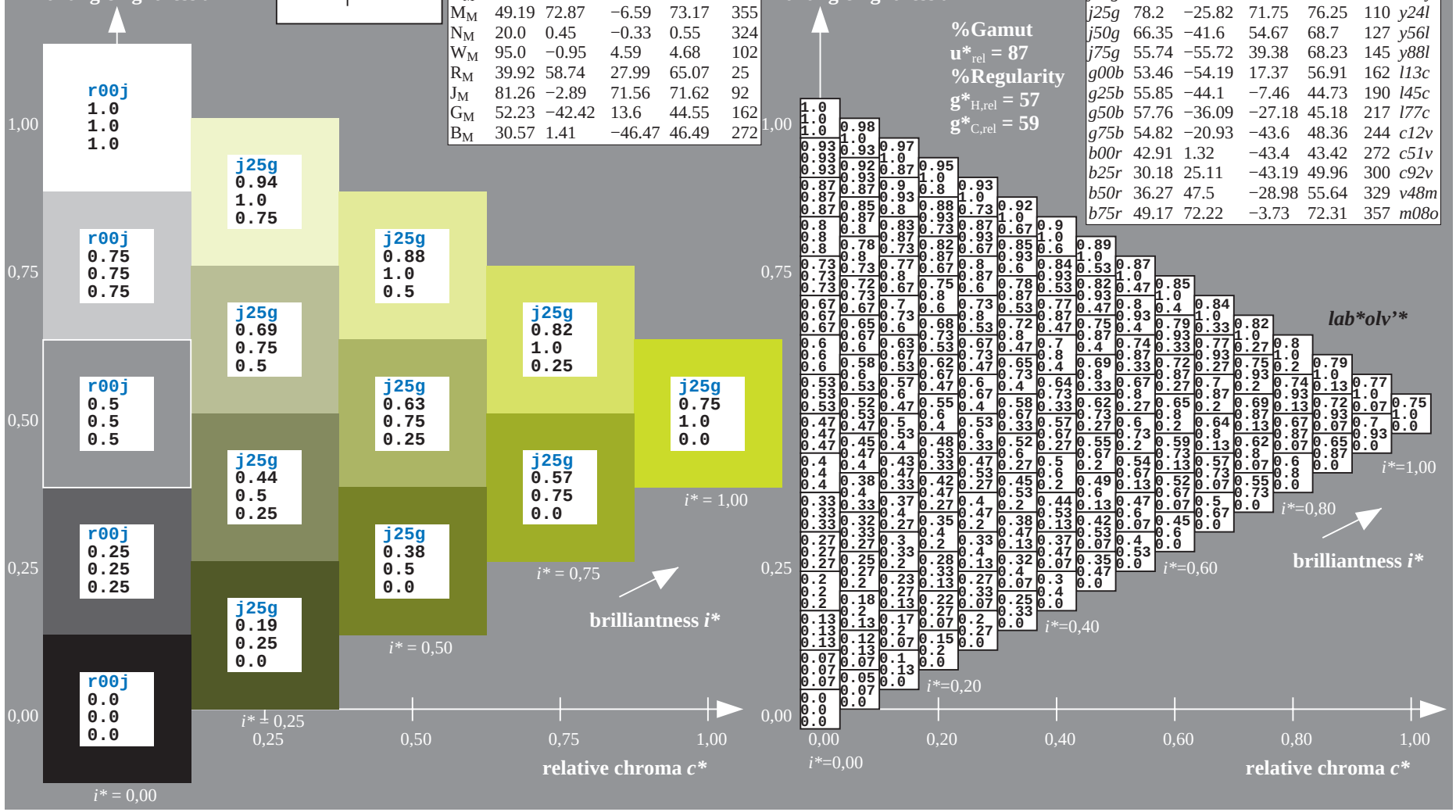
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 78 −26 72**
***LAB*LCH**$_{Ma}$: 78 76 109**
***lab*rgb**$_{Ma}$: 0.75 1.0 0.0**
***lab*olv**$_{Ma}$: 0.75 1.0 0.0**
triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

$u^*_e = j50g$
lab*olv'*

data for any colour:

lab*tch* **and** ***lab*icu****

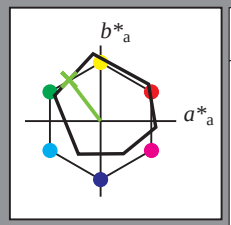
Hue texts:

$u^*_e = j50g$ $u^*_d = y56l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$: 66 −42 55

LAB*LCH*$_{Ma}$: 66 69 127

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

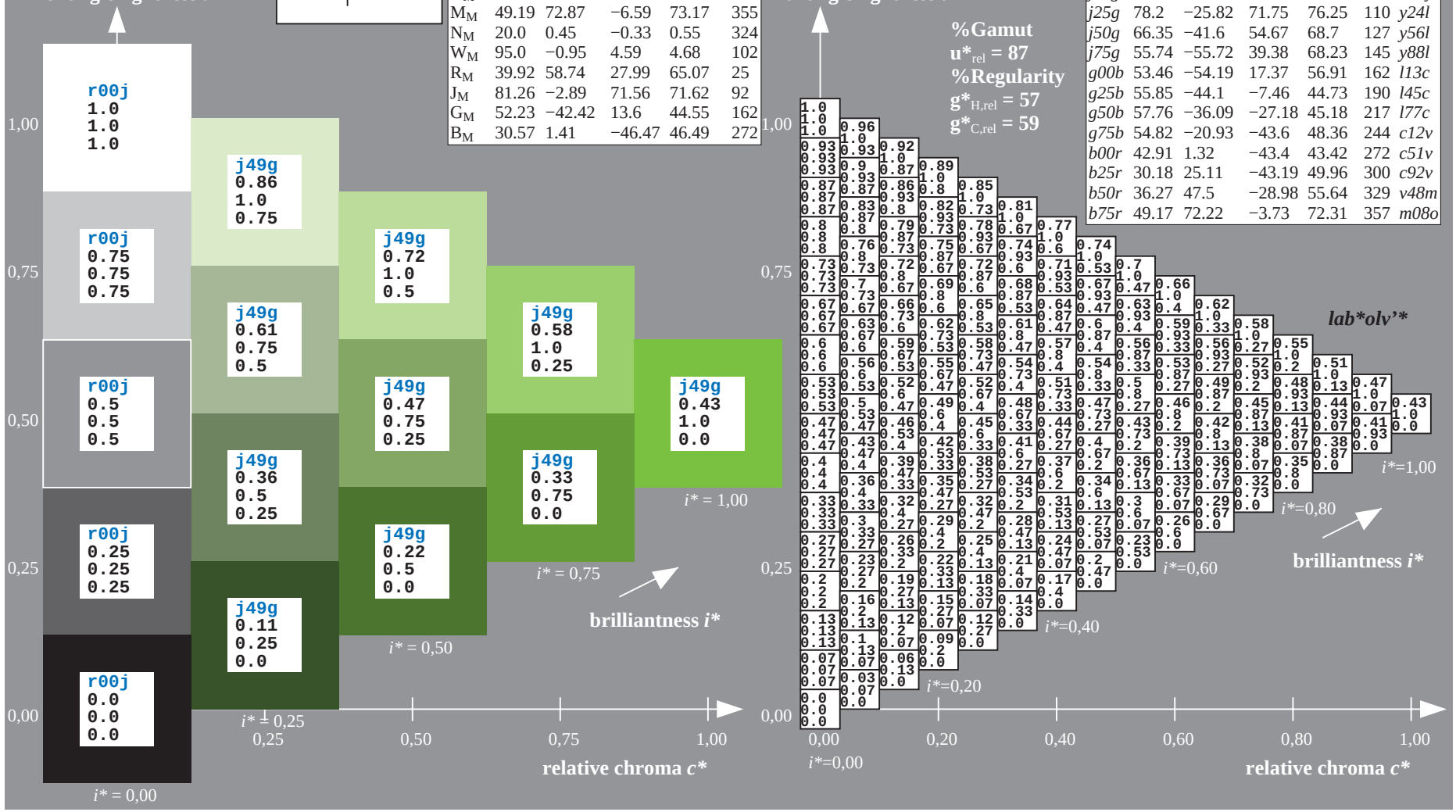
lab*olv*$_{Ma}$: 0.43 1.0 0.0

triangle lightness *t**

%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

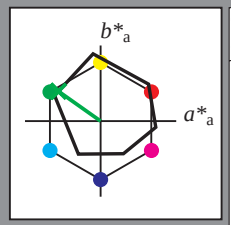
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

$u^*_e = j75g$
$lab^*olv'^*$

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = j75g$ $u^*_d = y88l$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; CIELAB data

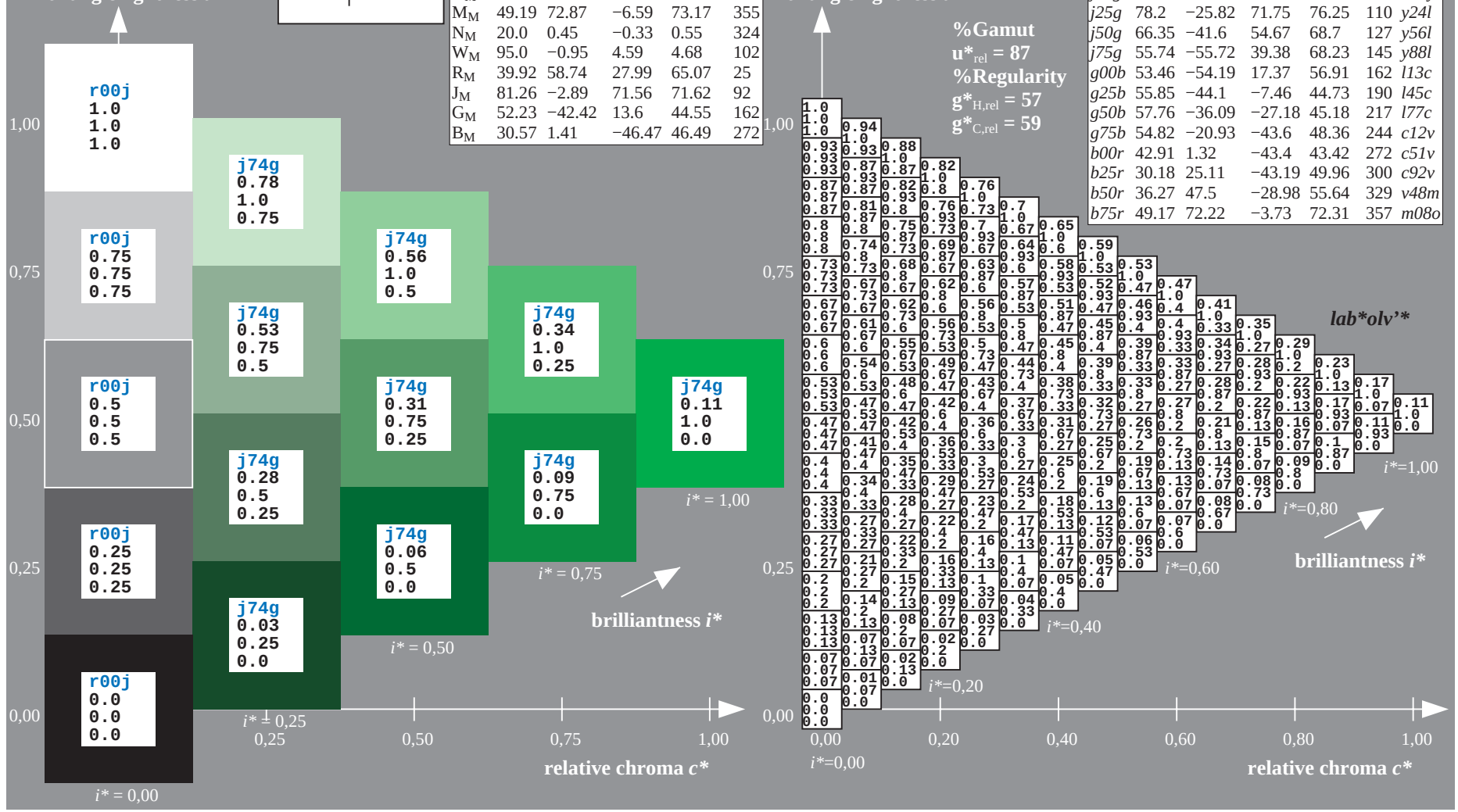
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 56 −56 39**
***LAB*LCH*Ma*: 56 68 144**
***lab*rgb*Ma*: 0.25 1.0 0.0**
***lab*olv*Ma*: 0.11 1.0 0.0**
triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

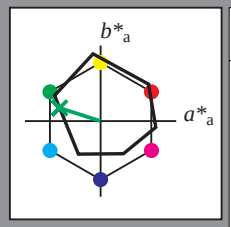
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

$u^*_e = g00b$
$lab^*olv'^*$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g00b$ $u^*_d = l13c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



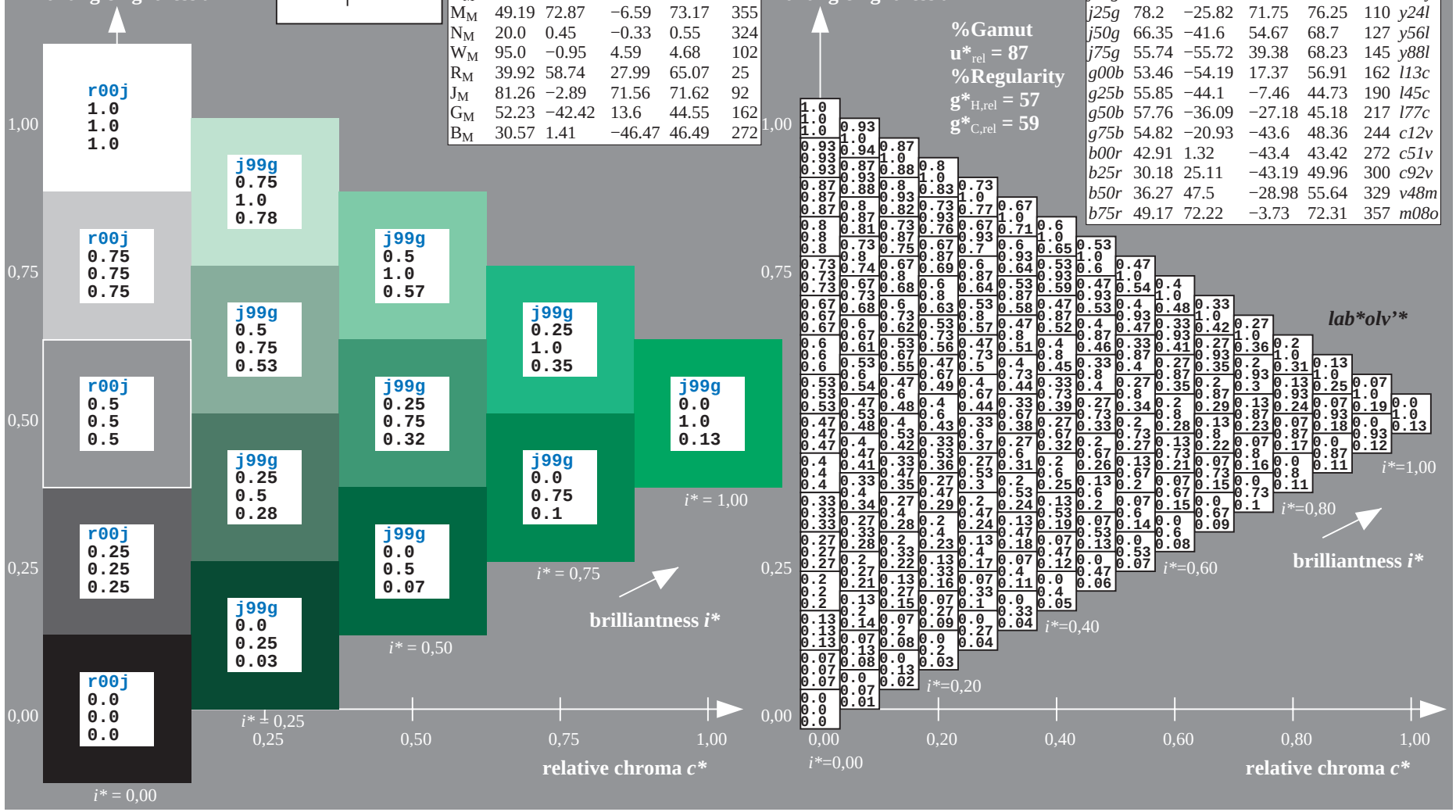
ORS18_95aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −54 17
$LAB^*LCH^*_{Ma}$: 53 57 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.13
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data

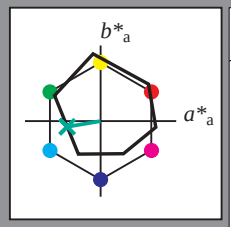
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

$u^*_e = g25b$
$lab^*olv'^*$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g25b$ $u^*_d = l45c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



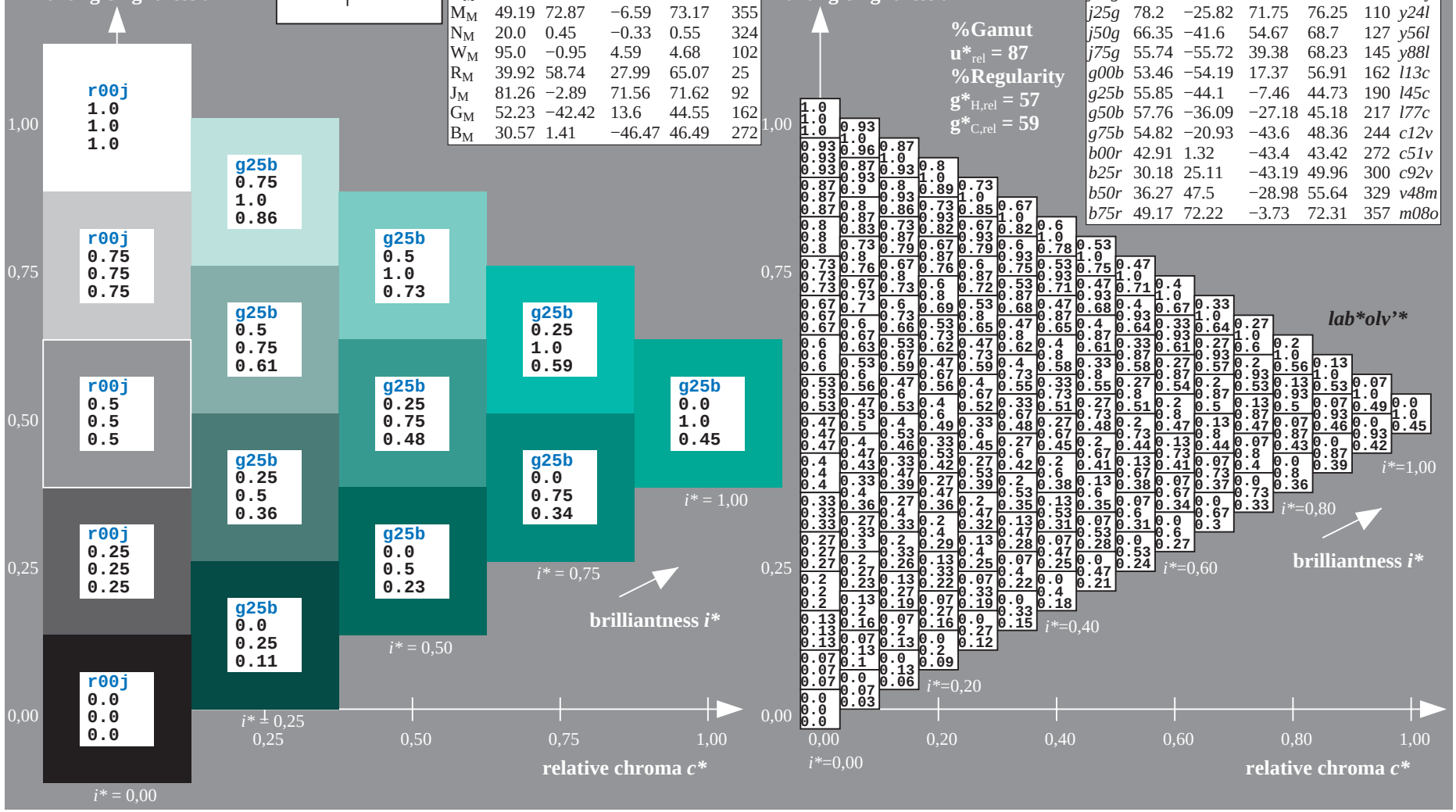
ORS18_95aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 −44 −7
$LAB^*LCH^*_{Ma}$: 56 45 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.45
triangle lightness t^*

ORS18_95aM; adapted (a) CIELAB data

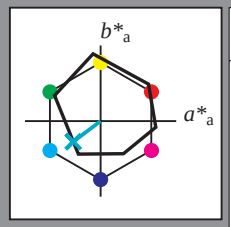
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

$u^*_e = g50b$
lab*olv'*

data for any colour:
lab*tch **and** ***lab*icu****
Hue texts:
$u^*_e = g50b$ $u^*_d = l77c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness ***t****



ORS18_95aM; CIELAB data

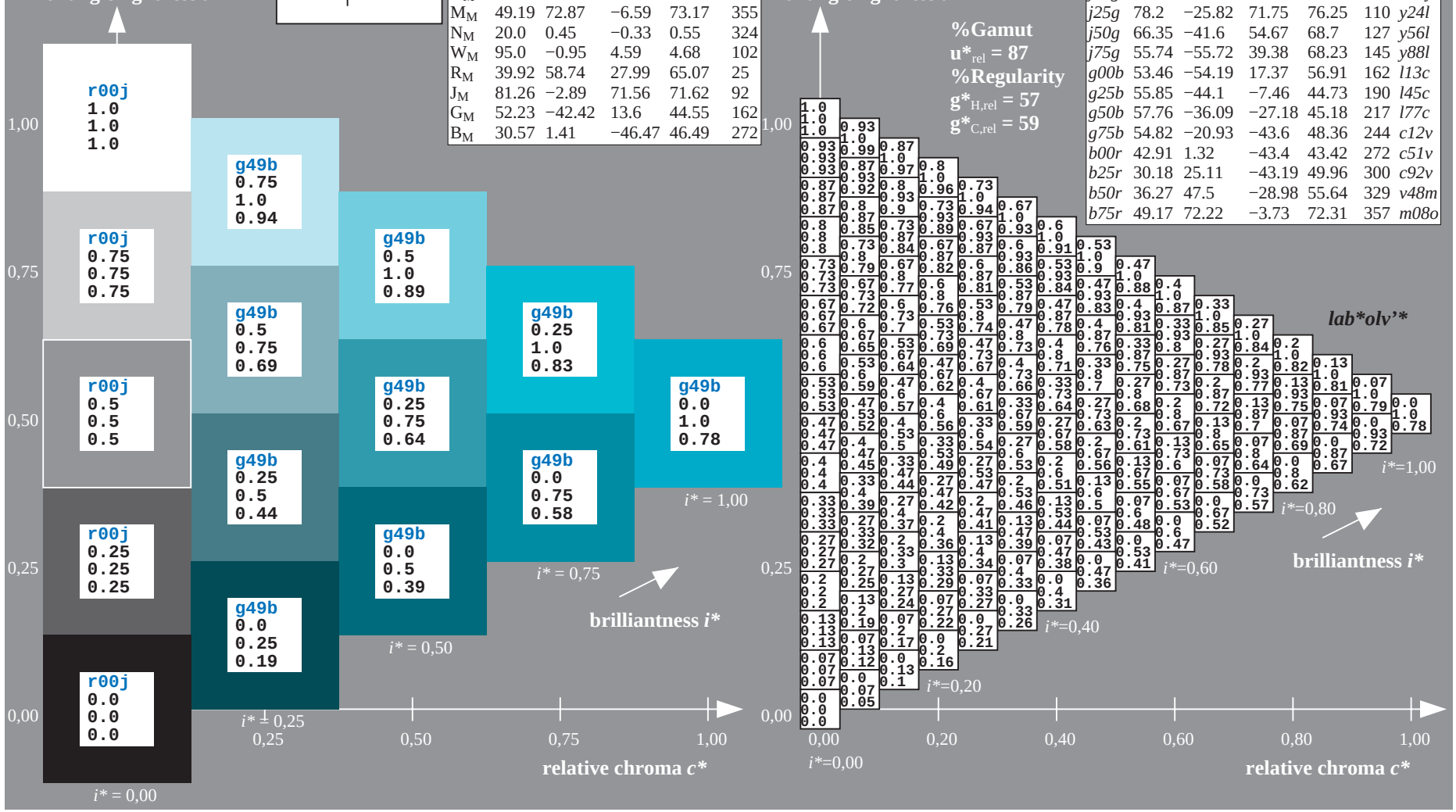
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 58 −36 −27**
***LAB*LCH*Ma*: 58 45 216**
***lab*rgb*Ma*: 0.0 1.0 1.0**
***lab*olv*Ma*: 0.0 1.0 0.78**
triangle lightness ***t****

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

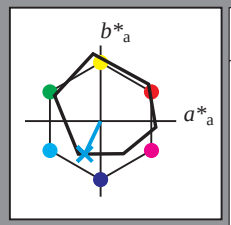
$u^*_e = g75b$
$lab^*olv'^*$

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

Hue texts:
$u^*_e = g75b$ $u^*_d = c12v$

contrast reduction factor:
$c_R = 0.97$

triangle lightness t^*



ORS18_95aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

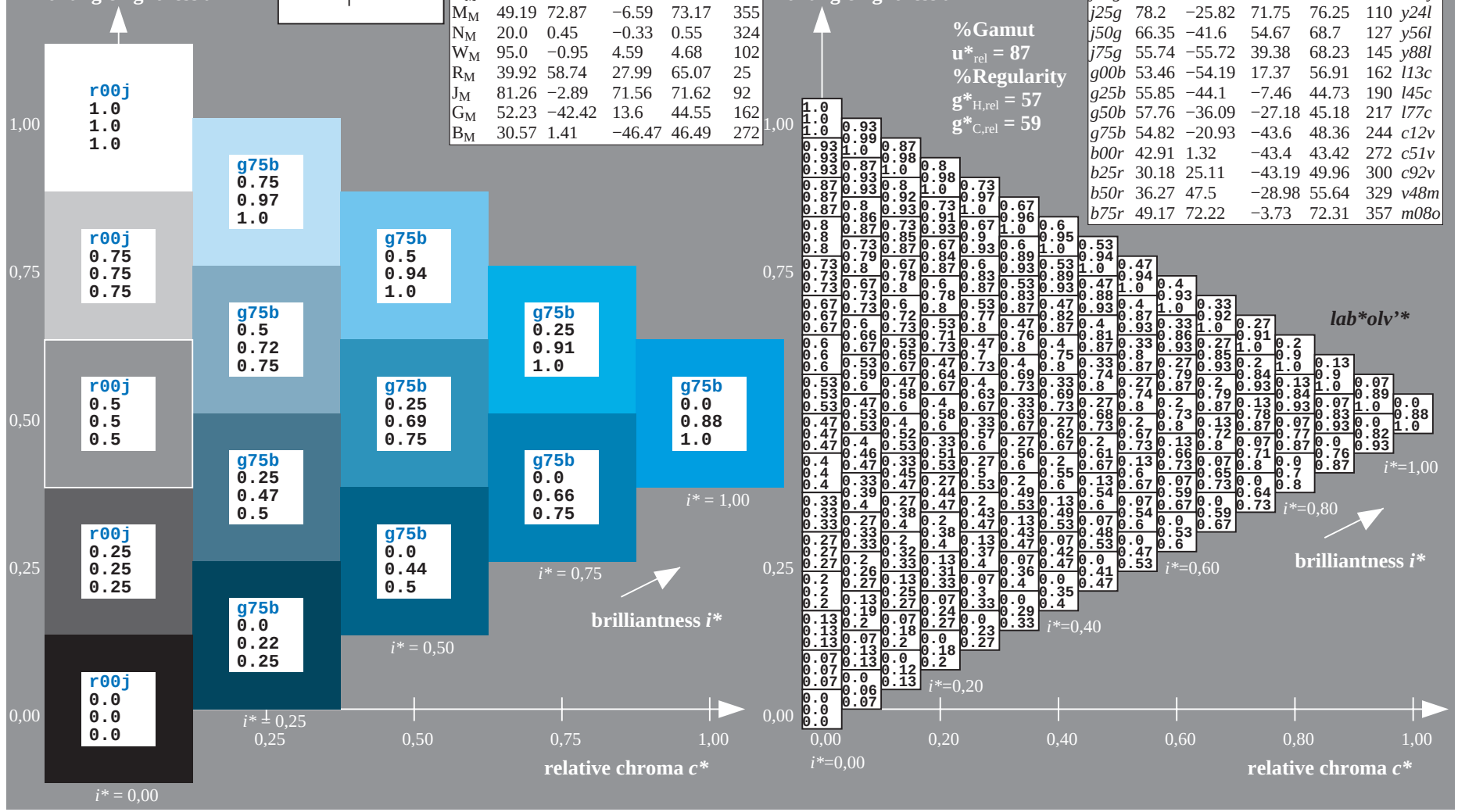
*LAB*LAB**$_{Ma}$: 55 −21 −44
*LAB*LCH**$_{Ma}$: 55 48 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.88 1.0

triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

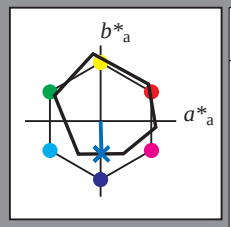
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

u^*_e = *b00r*
lab*olv'*

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *b00r* u^*_d = *c51v*
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; CIELAB data

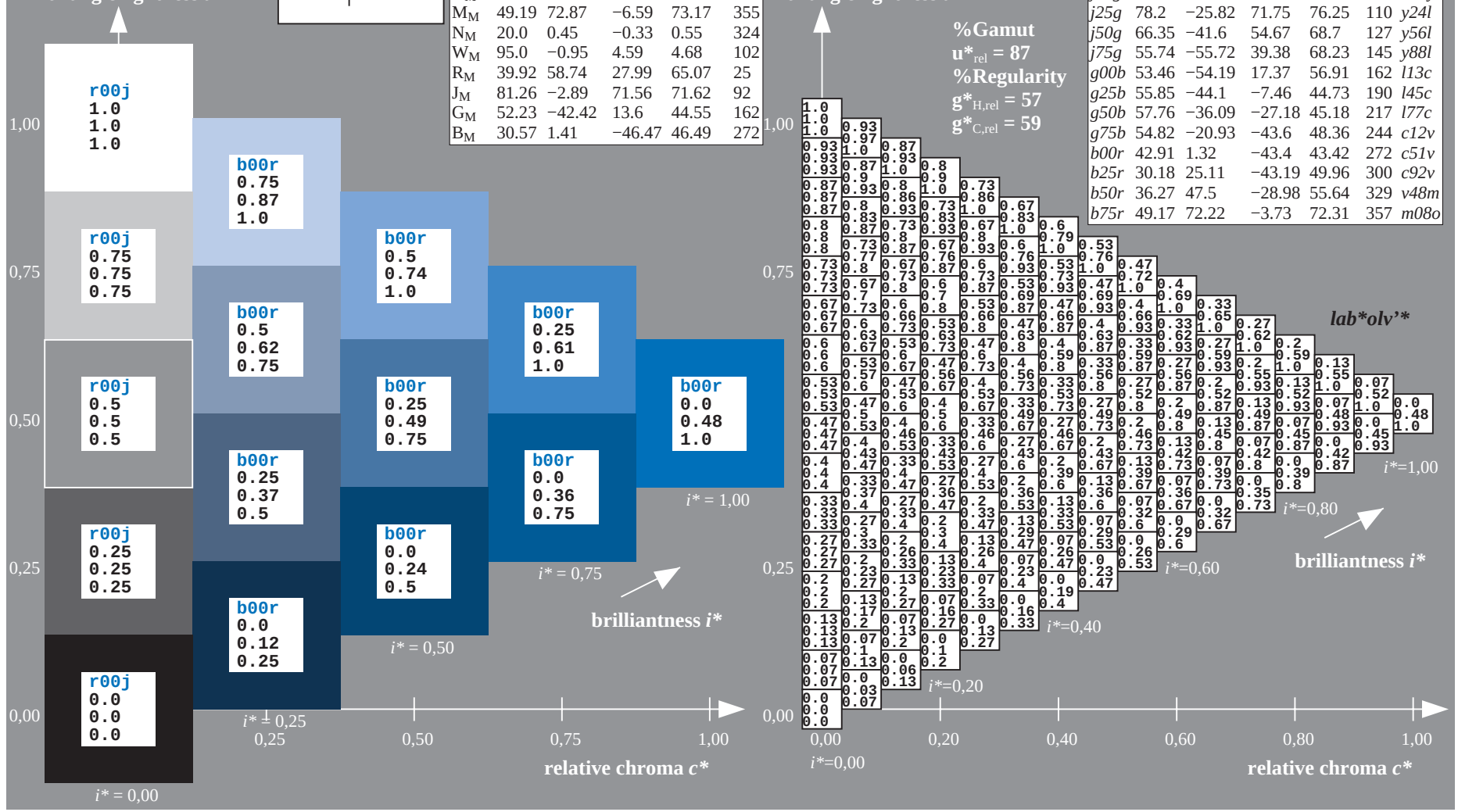
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 43 1 −43**
***LAB*LCH**$_{Ma}$: 43 43 271**
***lab*rgb**$_{Ma}$: 0.0 0.0 1.0**
***lab*olv**$_{Ma}$: 0.0 0.48 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

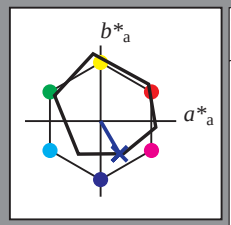
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

$u^*_e = b25r$
lab*olv'*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_e = b25r$ $u^*_d = c92v$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; CIELAB data

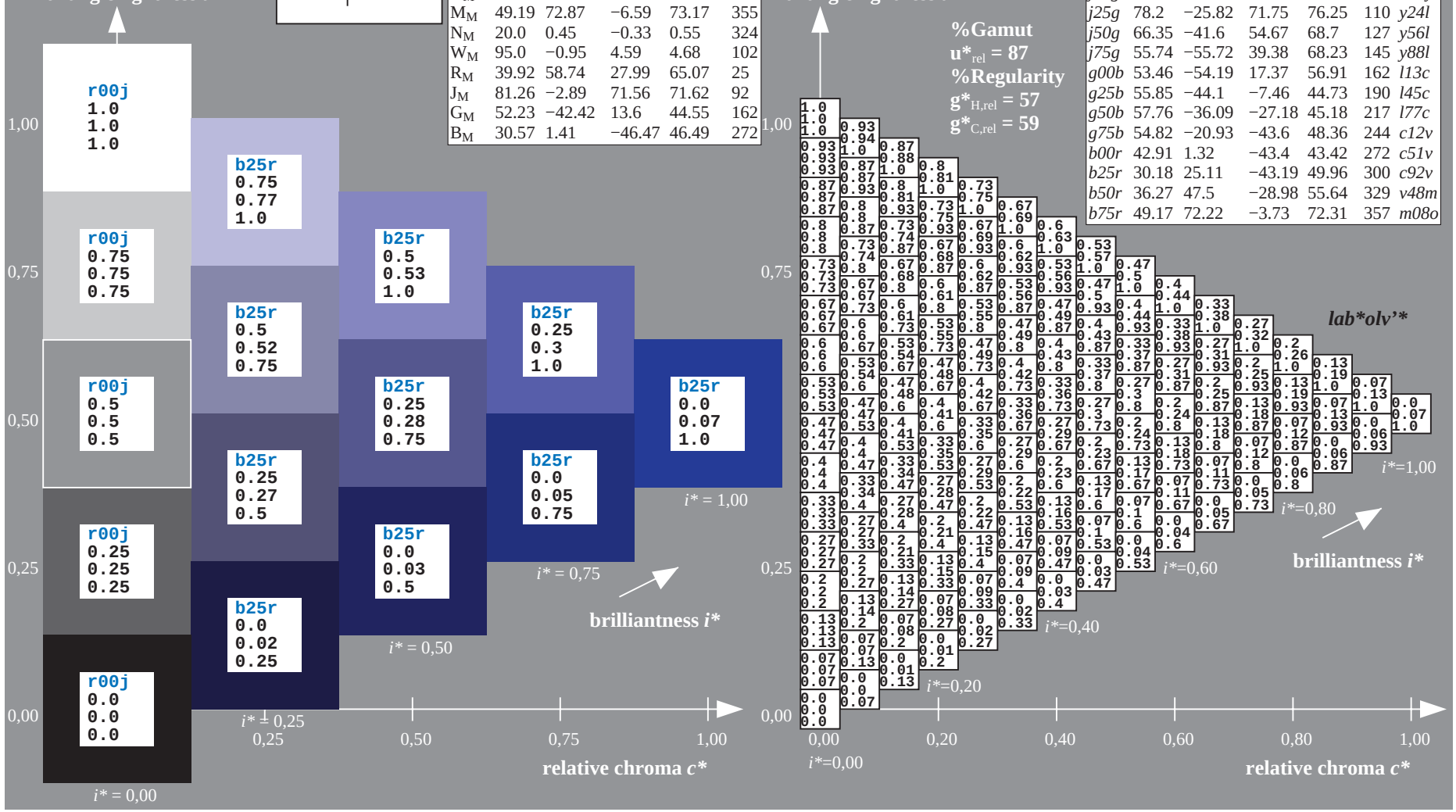
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 30 25 −43
LAB*LCH*$_{Ma}$: 30 50 300
lab*rgb*$_{Ma}$: 0.5 0.0 1.0
lab*olv*$_{Ma}$: 0.0 0.07 1.0
triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

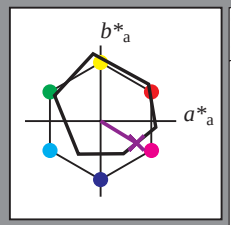
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

$u^*_e = b50r$
lab*olv'*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_e = b50r$ $u^*_d = v48m$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



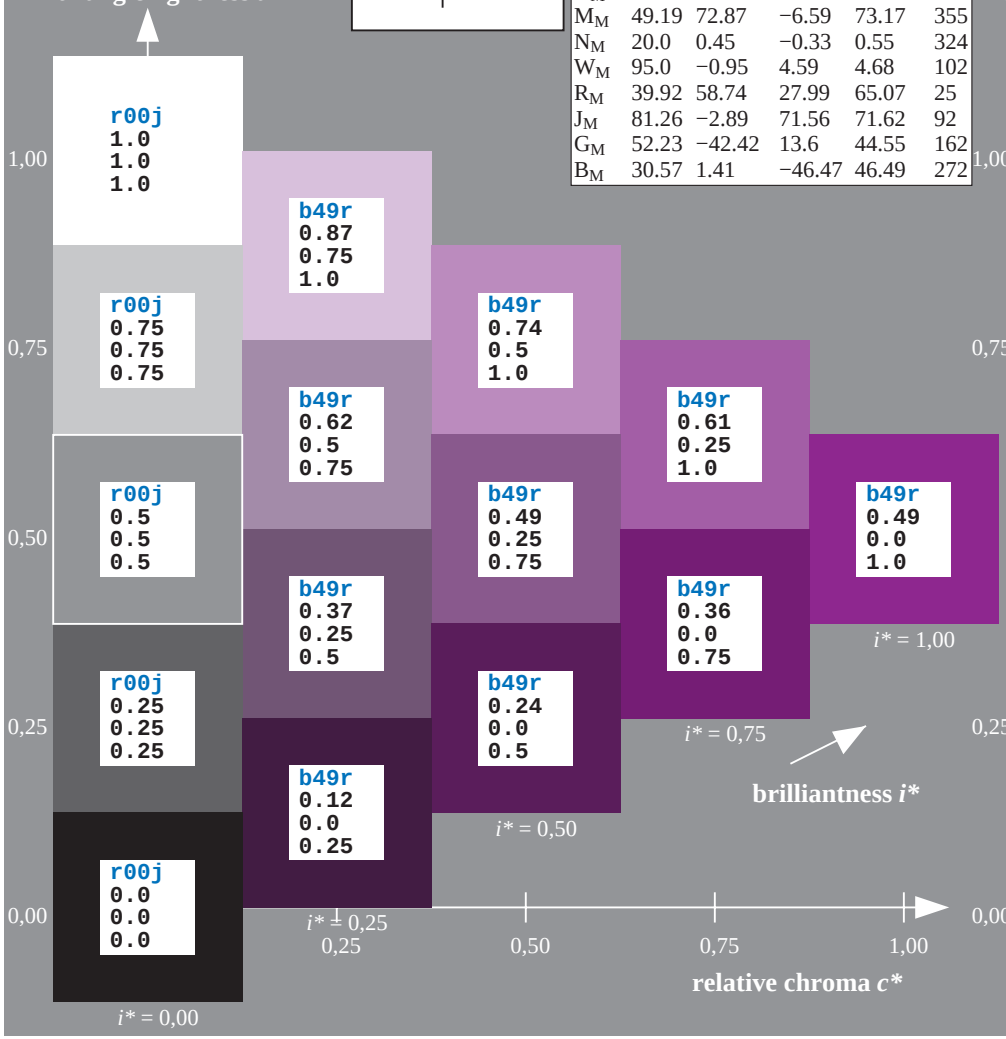
ORS18_95aM; CIELAB data

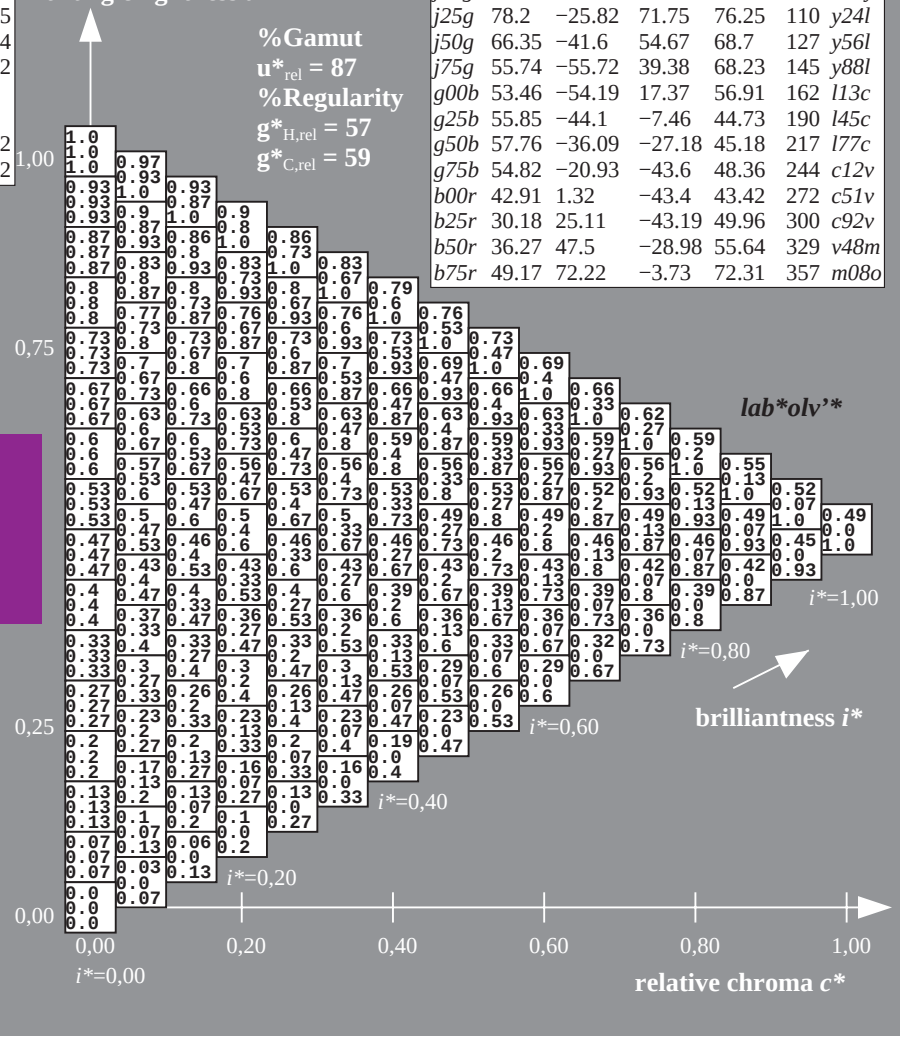
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 36 47 −29
LAB*LCH*$_{Ma}$: 36 56 328
lab*rgb*$_{Ma}$: 1.0 0.0 1.0
lab*olv*$_{Ma}$: 0.49 0.0 1.0
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

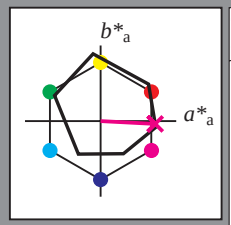




Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

$u^*_e = b75r$
lab*olv'*

data for any colour:
lab*tch **and** ***lab*icu****
Hue texts:
$u^*_e = b75r$ $u^*_d = m08o$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; CIELAB data

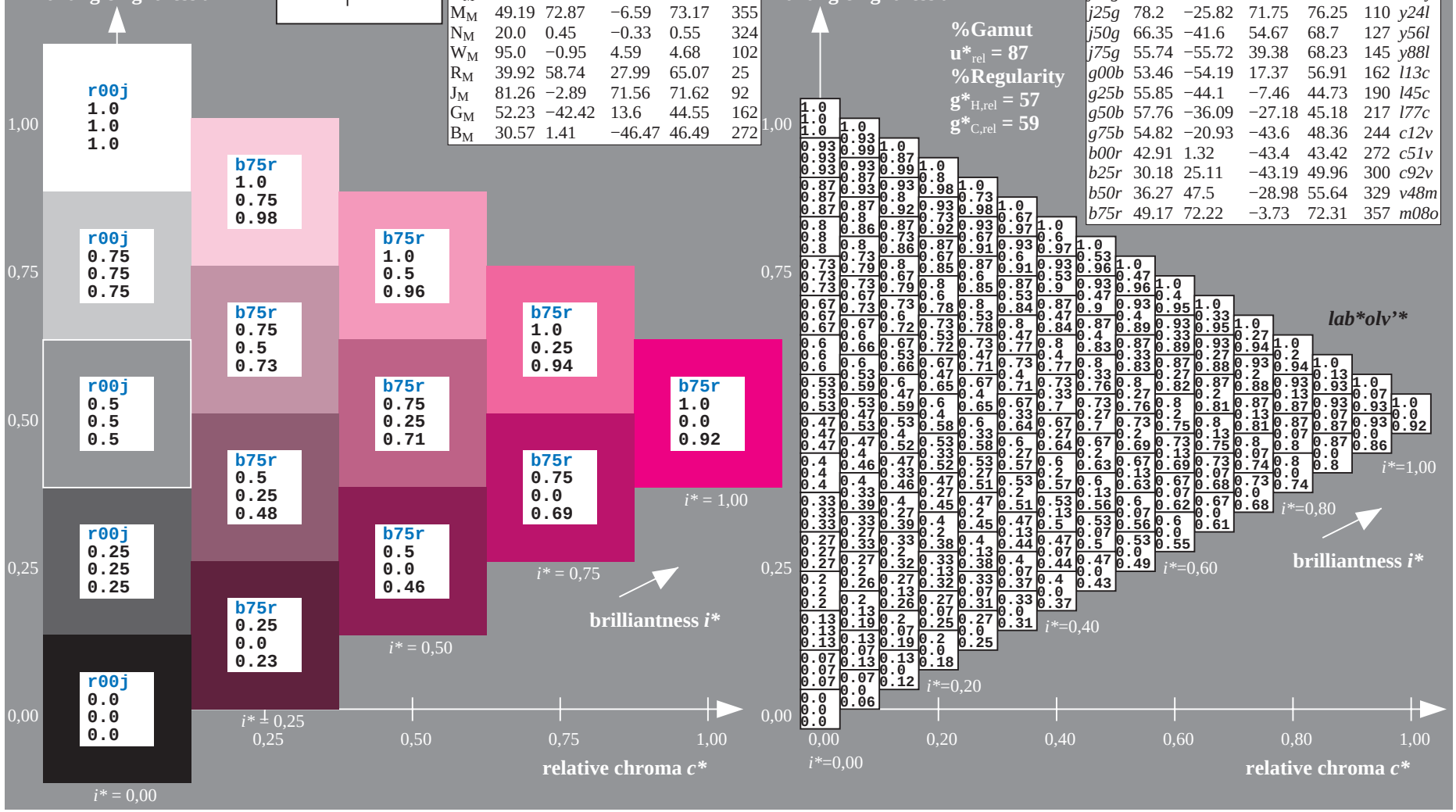
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 49 72 −4**
***LAB*LCH*Ma*: 49 72 357**
***lab*rgb*Ma*: 1.0 0.0 0.5**
***lab*olv*Ma*: 1.0 0.0 0.92**
triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 57$

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

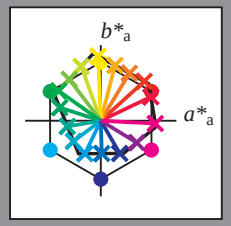


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	*lab*olv'**			
01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25
04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38
	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38
	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38
05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63
	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63
07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.13	0.0	0.75	0.75	0.75	0.75
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.75
08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.88	0.88	0.88	0.88
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.13	0.0	0.88	0.88	0.88	0.88
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	0.88
09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0
10	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
11	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.88	0.88	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.07	0.07	0.07	0.07
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07
	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.07	0.07	0.07	0.07
12	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13
13	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.2	0.2	0.2	0.2
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.2	0.2	0.2	0.2
	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.2	0.2	0.2	0.2
14	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.27	0.27	0.27	0.27
15	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.33	0.33	0.33	0.33
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.33	0.33	0.33	0.33
	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.33	0.33	0.33	0.33
16	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.4	0.4	0.4	0.4
17	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.47	0.47	0.47	0.47
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.47	0.47	0.47	0.47
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.47	0.47	0.47	0.47
18	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.53	0.53	0.53
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.87	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.53	0.53	0.53	0.53
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.53	0.53	0.53	0.53
19	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.6	0.6	0.6	0.6
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.6	0.6	0.6
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.6	0.6	0.6	0.6
20	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.67	0.67	0.67	0.67
	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.67	0.67	0.67	0.67
	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.67	0.67	0.67	0.67
21	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.73	0.73	0.73	0.73
	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.73	0.73	0.73	0.73
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.73	0.73	0.73	0.73
22	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.87	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.8	0.8	0.8	0.8
	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.62	0.75	0.87	1.0	0.63	0.63	0.63	0.63	0

Input and output:
Colorimetric Printer Reflective System ORS18_95aM
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.97

ORS18_95aM; adapted (a) CIELAB data

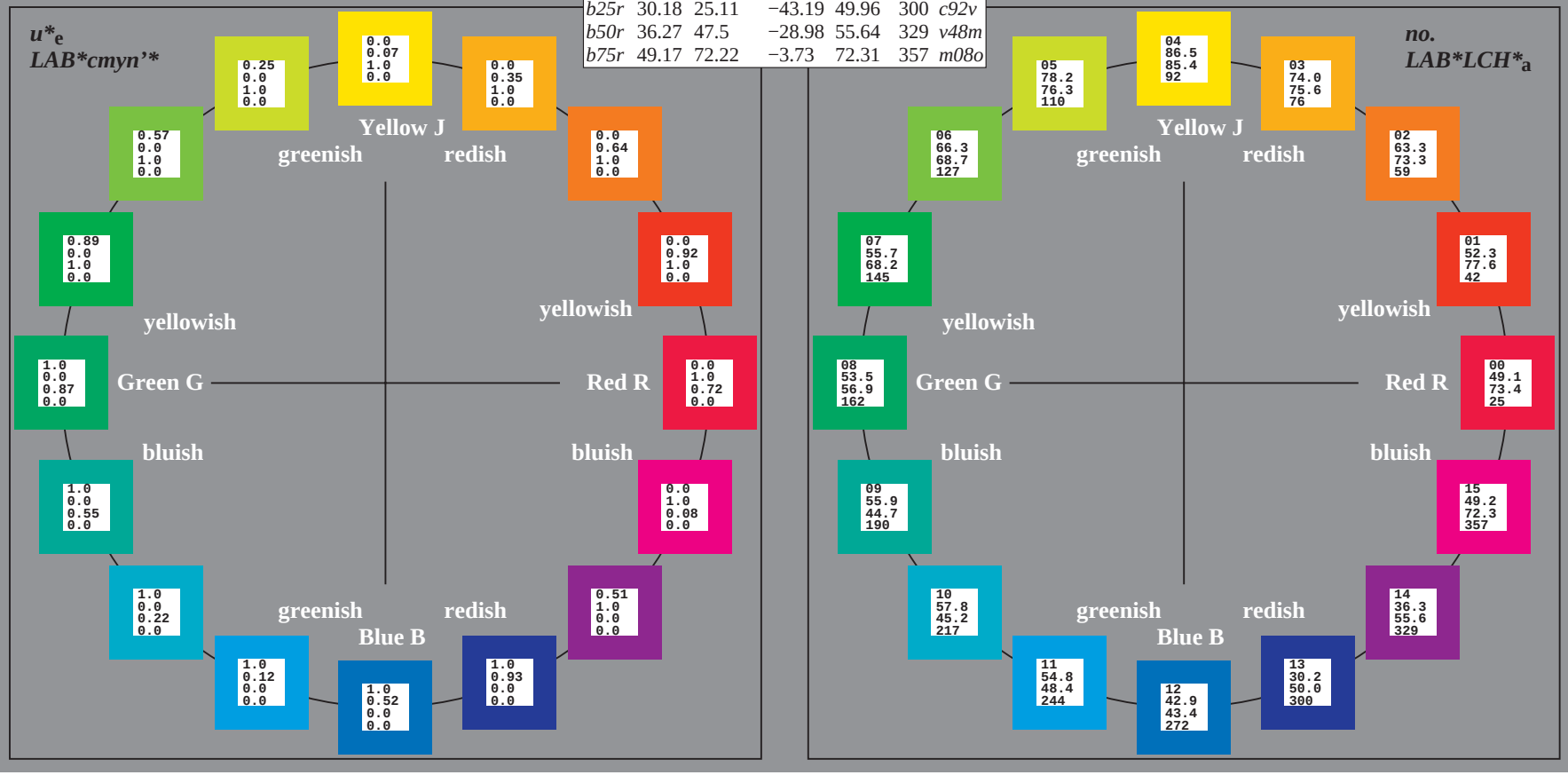
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; CIELAB data

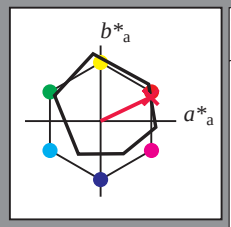
Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

u^*_e = *r00j*
LAB*cmyn'*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m72o*
contrast reduction factor:
c_R = 0.97
triangle lightness *t**



ORS18_95aM; CIELAB data

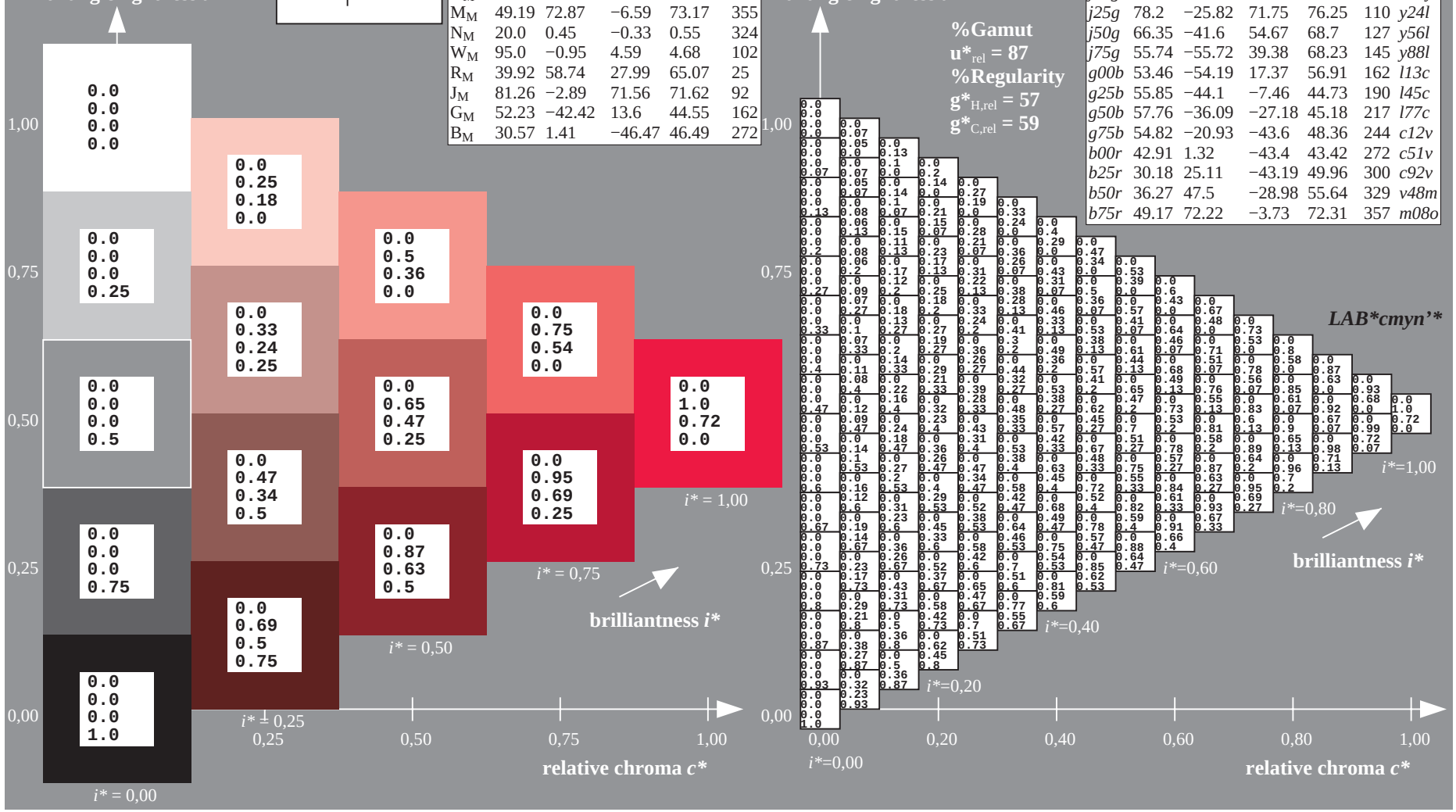
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 66 32**
LAB*LCH*$_{Ma}$**: 49 73 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.28**
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

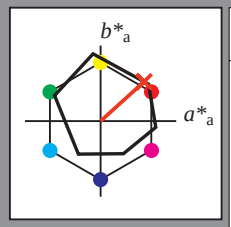
%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

$u^*_e = r25j$
LAB*cmyn'*

data for any colour:
lab*tch* and lab*icu*
Hue texts:
$u^*_e = r25j$ $u^*_d = o08y$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

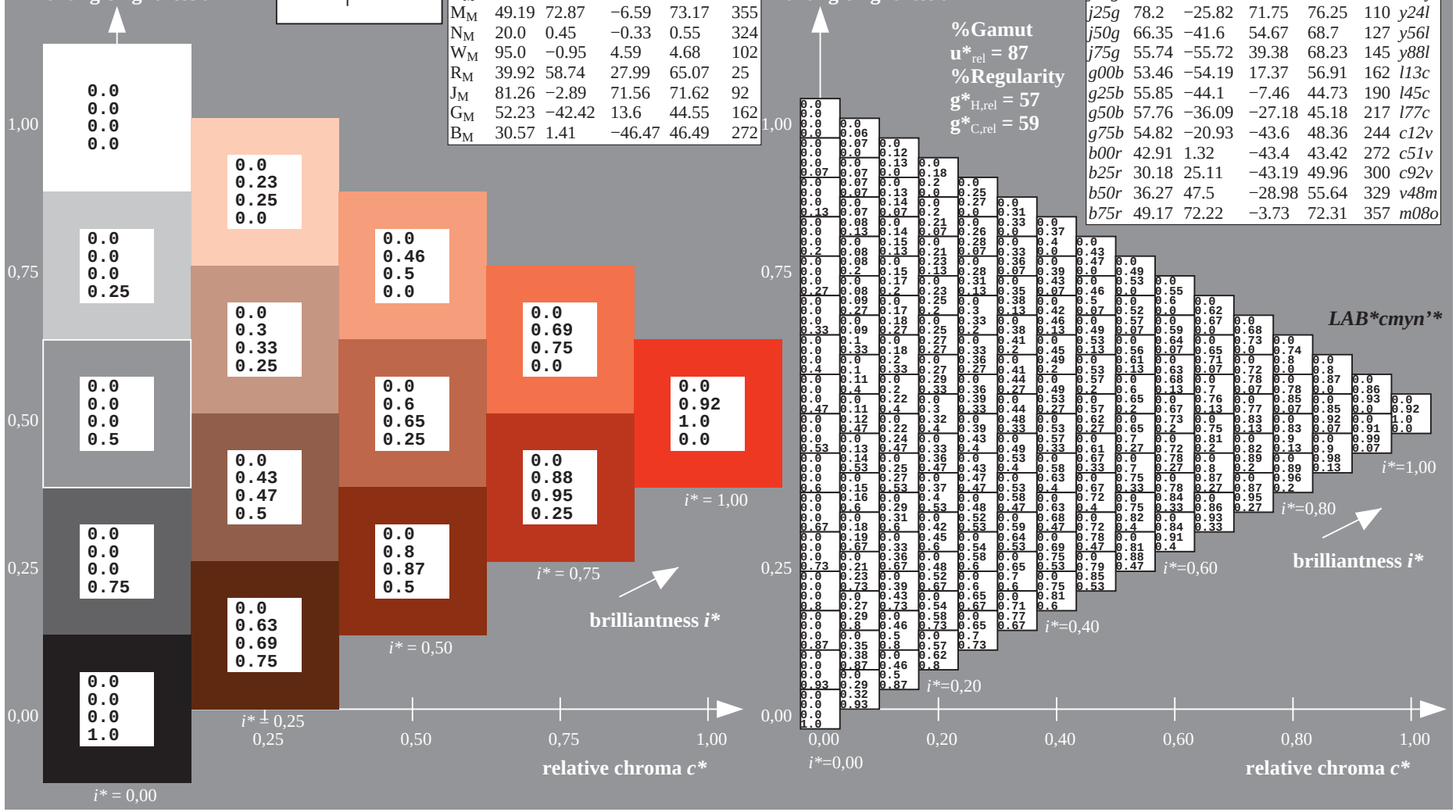
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 52 57 52**
***LAB*LCH*$_{Ma}$*: 52 78 42**
***lab*rgb*$_{Ma}$*: 1.0 0.25 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.08 0.0**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

triangle lightness *t**

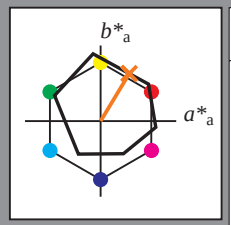
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

u^*_e = *r50j*
LAB*cmyn'*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = r50j ***u^*_d = o36y***
contrast reduction factor:
c_R = 0.97
triangle lightness *t**



ORS18_95aM; CIELAB data

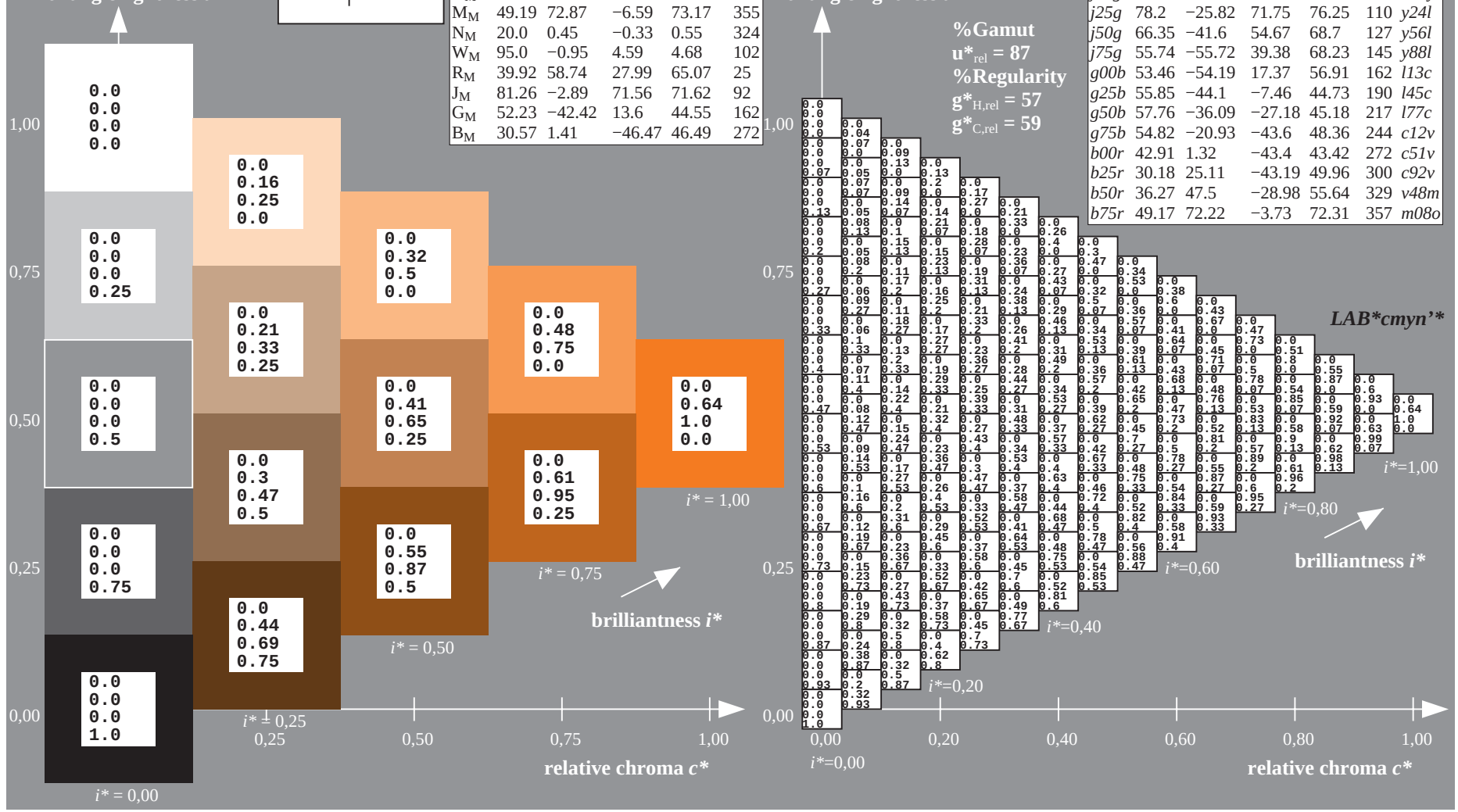
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 63 38 63**
***LAB*LCH*$_{Ma}$*: 63 73 58**
***lab*rgb*$_{Ma}$*: 1.0 0.5 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.36 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

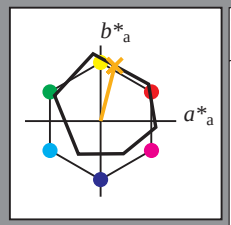
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

u^*_e = *r75j*
LAB*cmyn'*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = r75j ***u^*_d = o64y***
contrast reduction factor:
c_R = 0.97
triangle lightness *t**



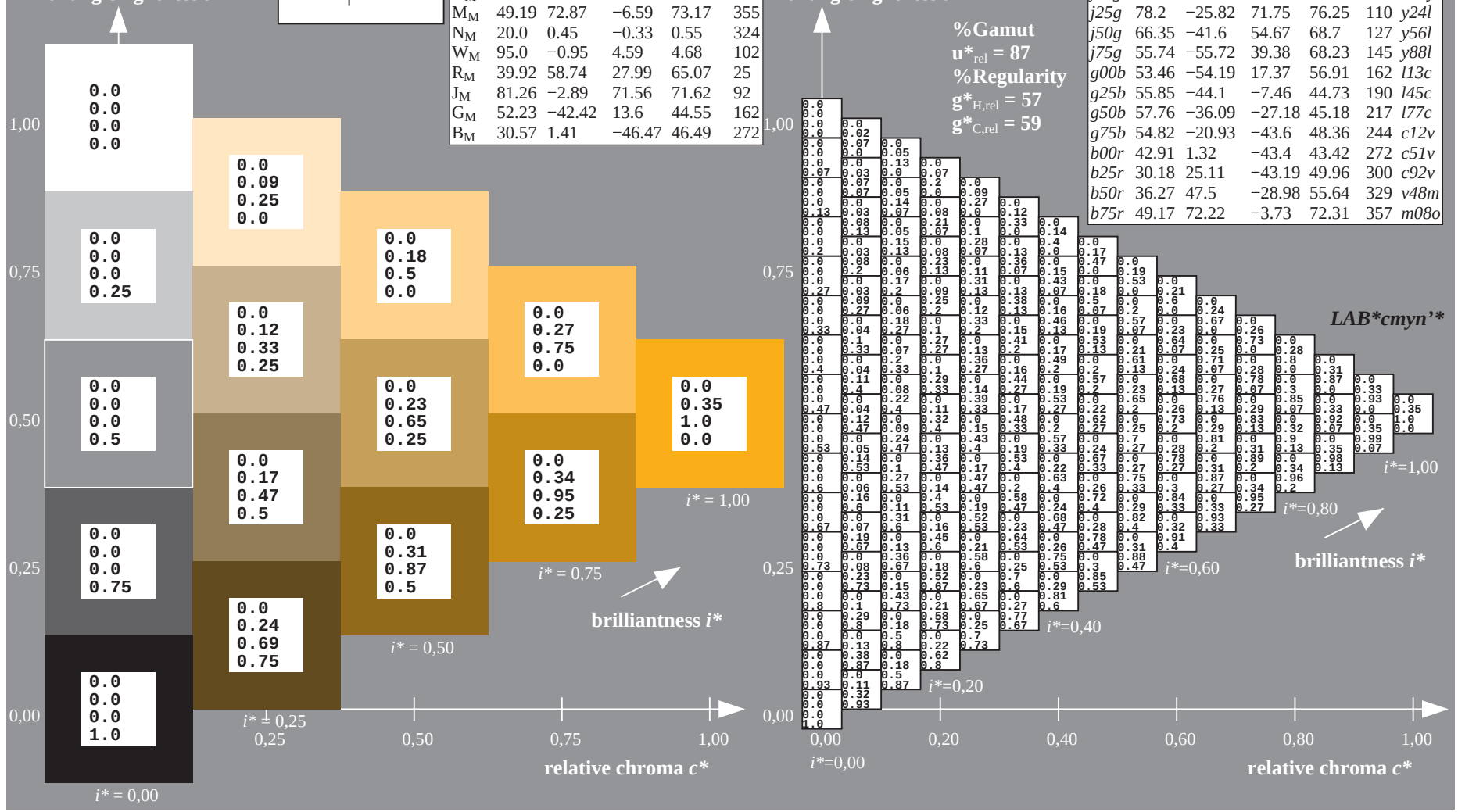
ORS18_95aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 74 19 73**
***LAB*LCH*$_{Ma}$*: 74 76 75**
***lab*rgb*$_{Ma}$*: 1.0 0.75 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.65 0.0**
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

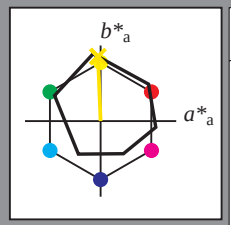
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

$u^*_e = j00g$
LAB*cmyn'*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_e = j00g$ $u^*_d = o92y$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

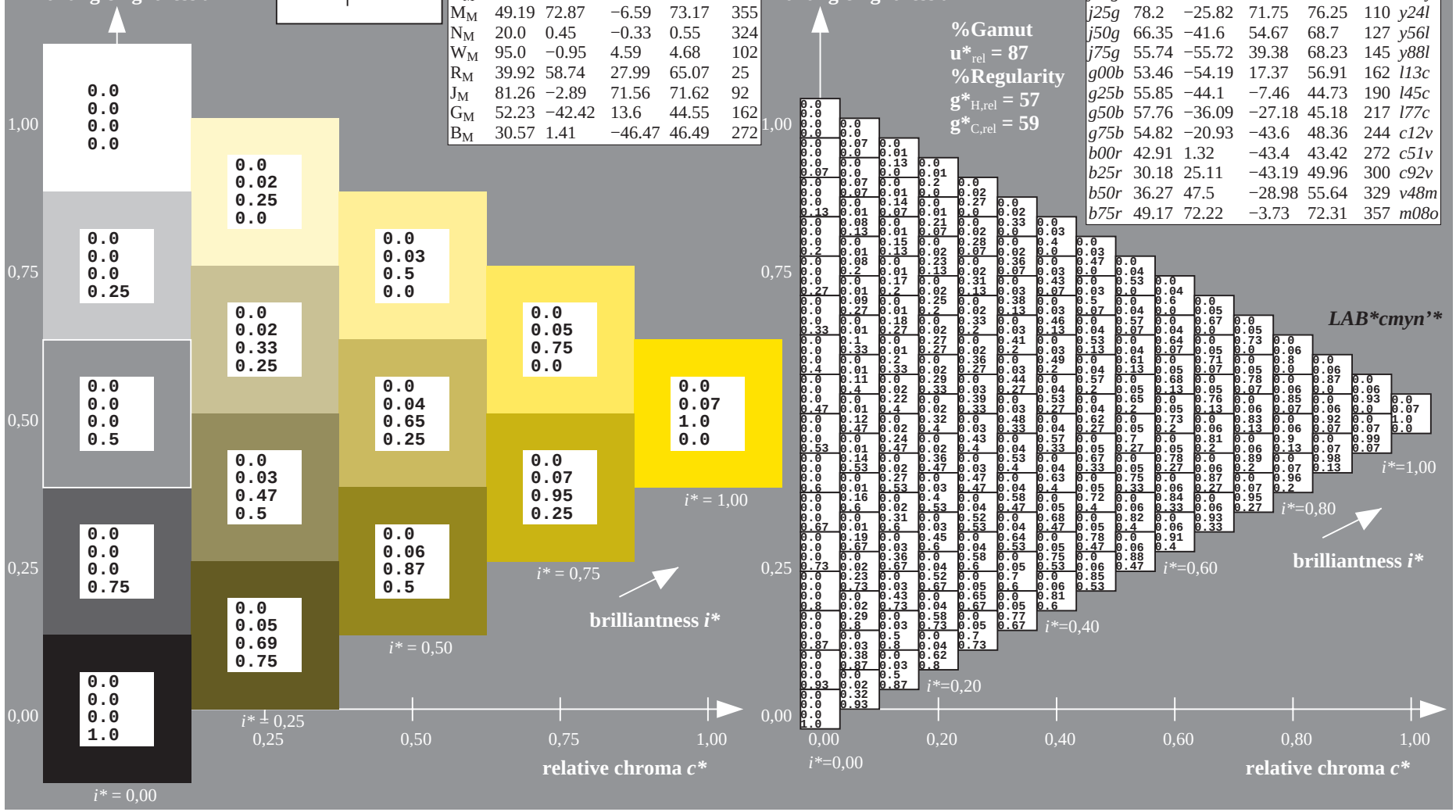
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 86 −3 85**
LAB*LCH*$_{Ma}$**: 86 85 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.93 0.0**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

$u^*_e = j25g$
LAB*cmyn'*

data for any colour:

lab*tch* **and** ***lab*icu****

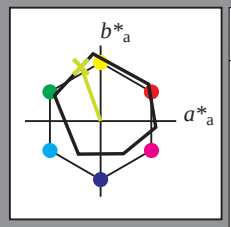
Hue texts:

$u^*_e = j25g$ $u^*_d = y24l$

contrast reduction factor:

$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*$_{Ma}$**: 78 −26 72**

LAB*LCH*$_{Ma}$**: 78 76 109**

lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**

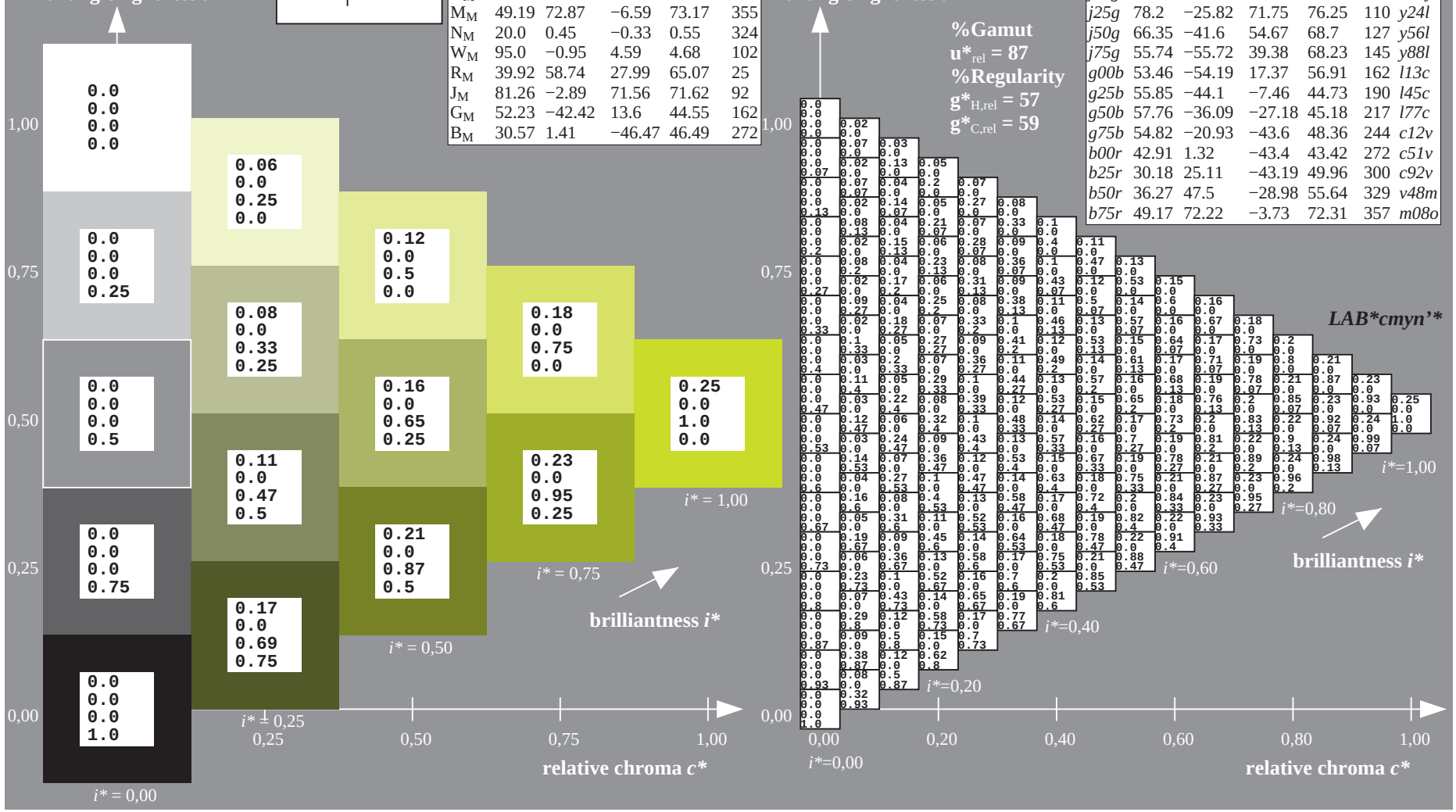
lab*olv*$_{Ma}$**: 0.75 1.0 0.0**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

triangle lightness *t**

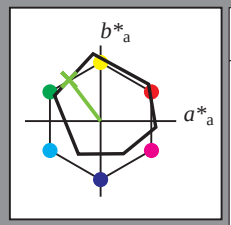
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

$u^*_e = j50g$
LAB*cmyn'*

data for any colour:
lab*tch* and lab*icu*
Hue texts:
$u^*_e = j50g$ $u^*_d = y56l$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



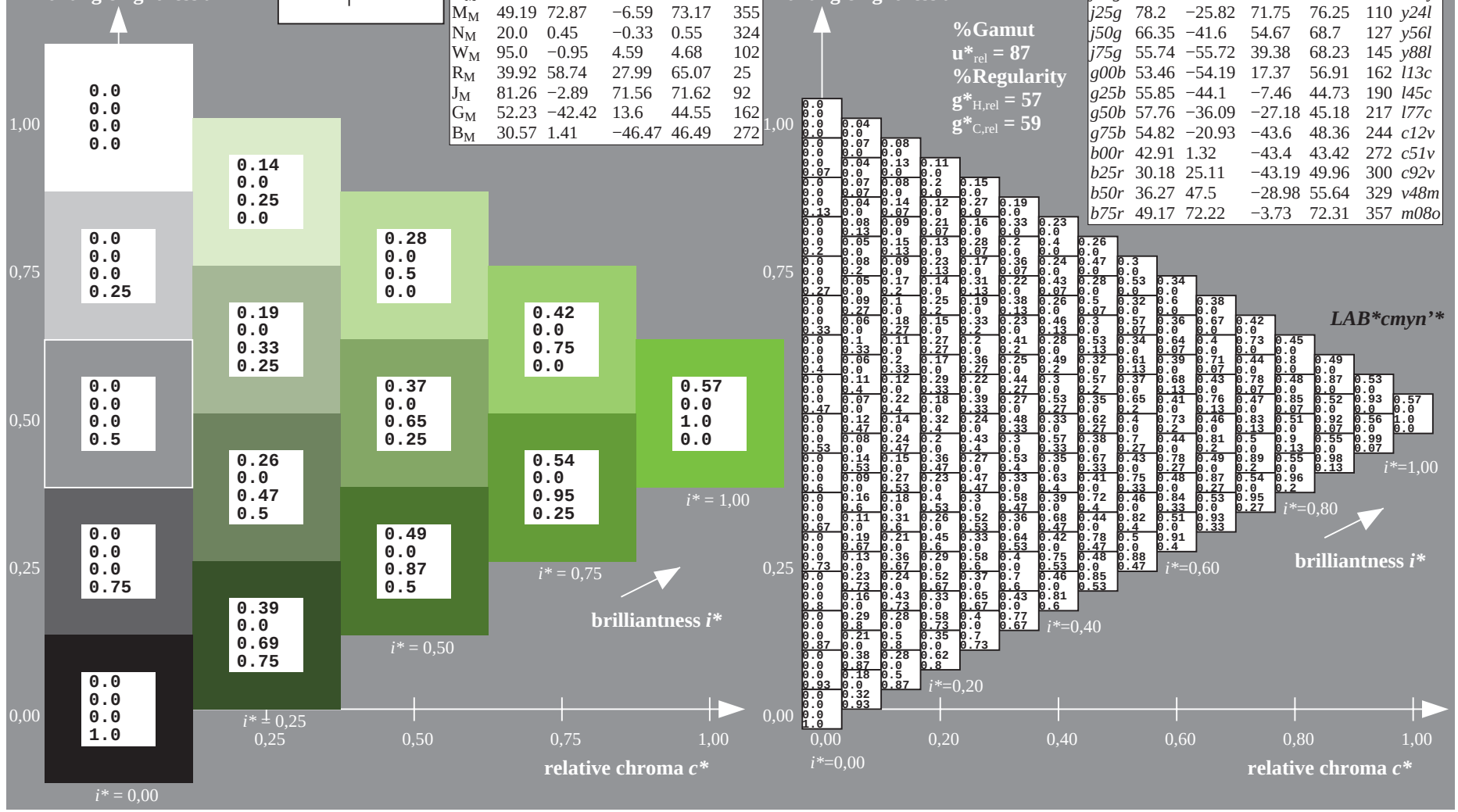
ORS18_95aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 66 −42 55**
***LAB*LCH*$_{Ma}$*: 66 69 127**
***lab*rgb*$_{Ma}$*: 0.5 1.0 0.0**
***lab*olv*$_{Ma}$*: 0.43 1.0 0.0**

ORS18_95aM; adapted (a) CIELAB data

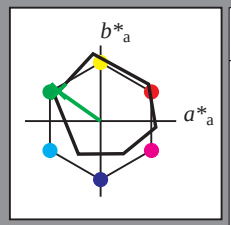
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



Input and output: Colorimetric Printer Reflective System ORS18_95aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

$u^*_e = j75g$
$LAB^*cmyn'^*$

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = j75g$ $u^*_d = y88l$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; CIELAB data

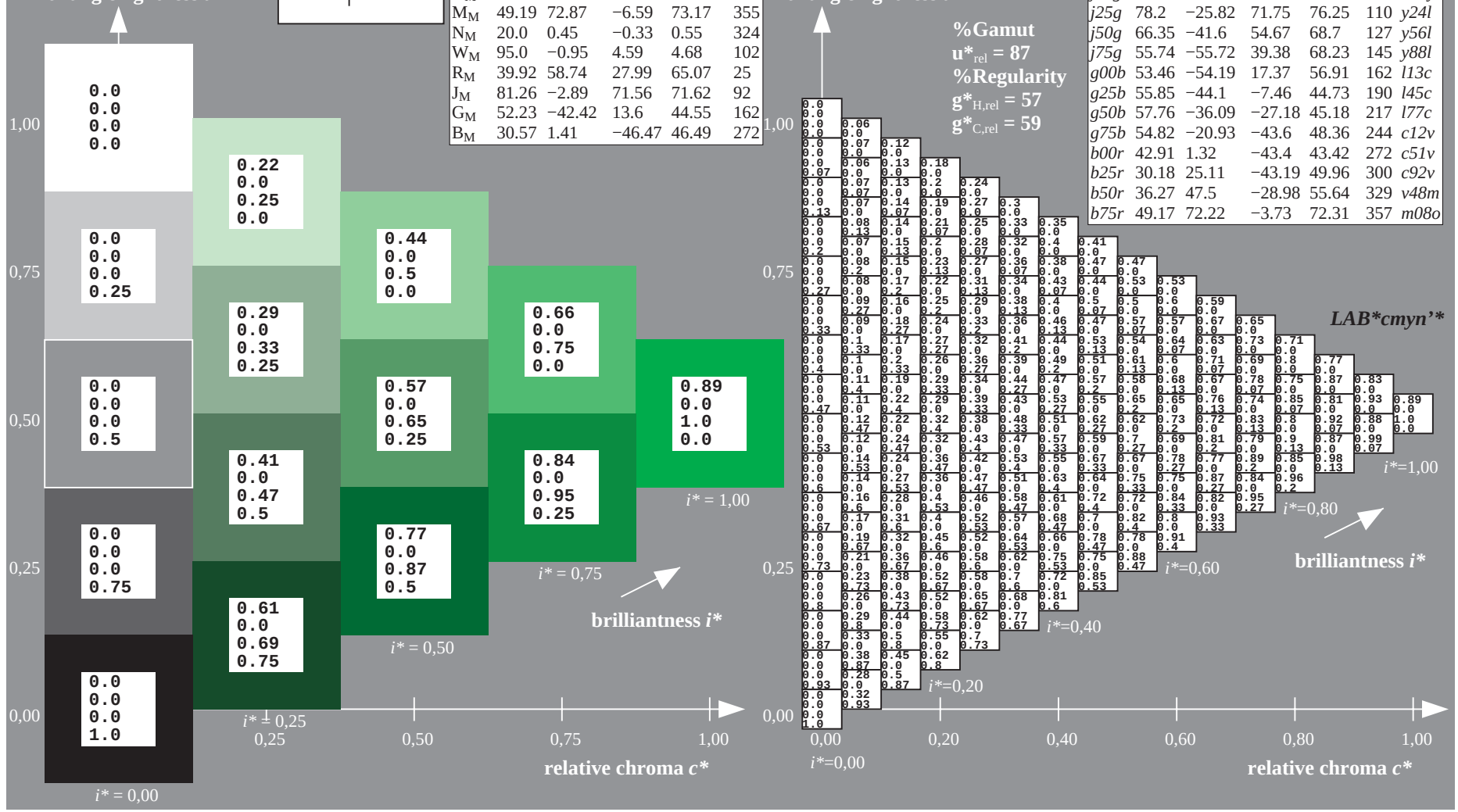
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***$LAB^*LAB^*_{Ma}$*: 56 −56 39**
***$LAB^*LCH^*_{Ma}$*: 56 68 144**
***$lab^*rgb^*_{Ma}$*: 0.25 1.0 0.0**
***$lab^*olv^*_{Ma}$*: 0.11 1.0 0.0**
triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

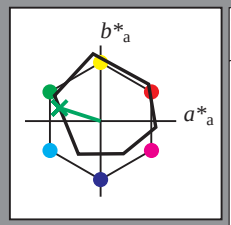
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

u^*_e = *g00b*
LAB*cmyn'*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *g00b* u^*_d = *l13c*
contrast reduction factor:
c_R = 0.97
triangle lightness *t**



ORS18_95aM; CIELAB data

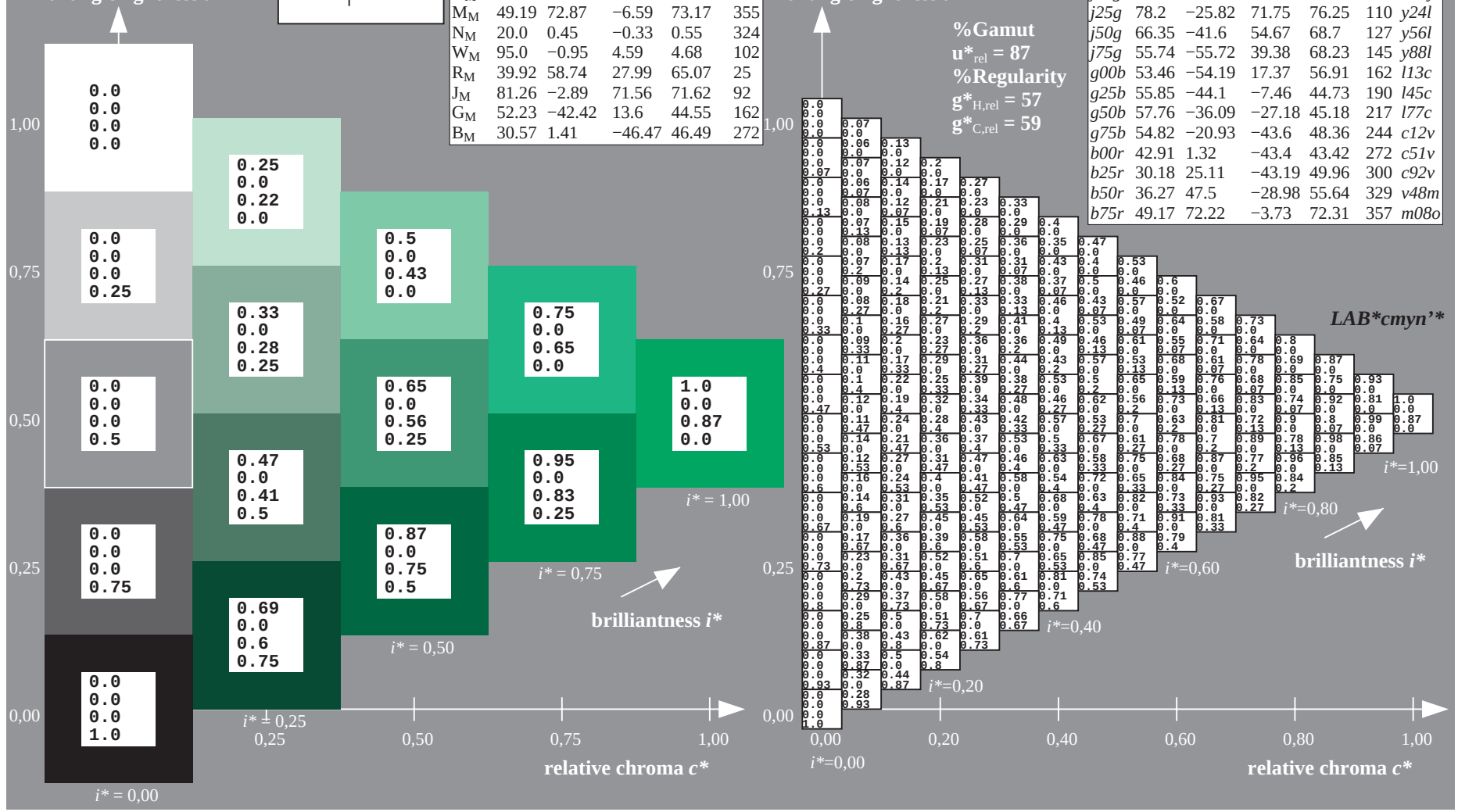
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 53 −54 17**
LAB*LCH*$_{Ma}$**: 53 57 162**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.13**
triangle lightness *t**

%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

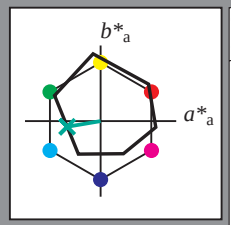
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g25b$ $u^*_d = l45c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; CIELAB data

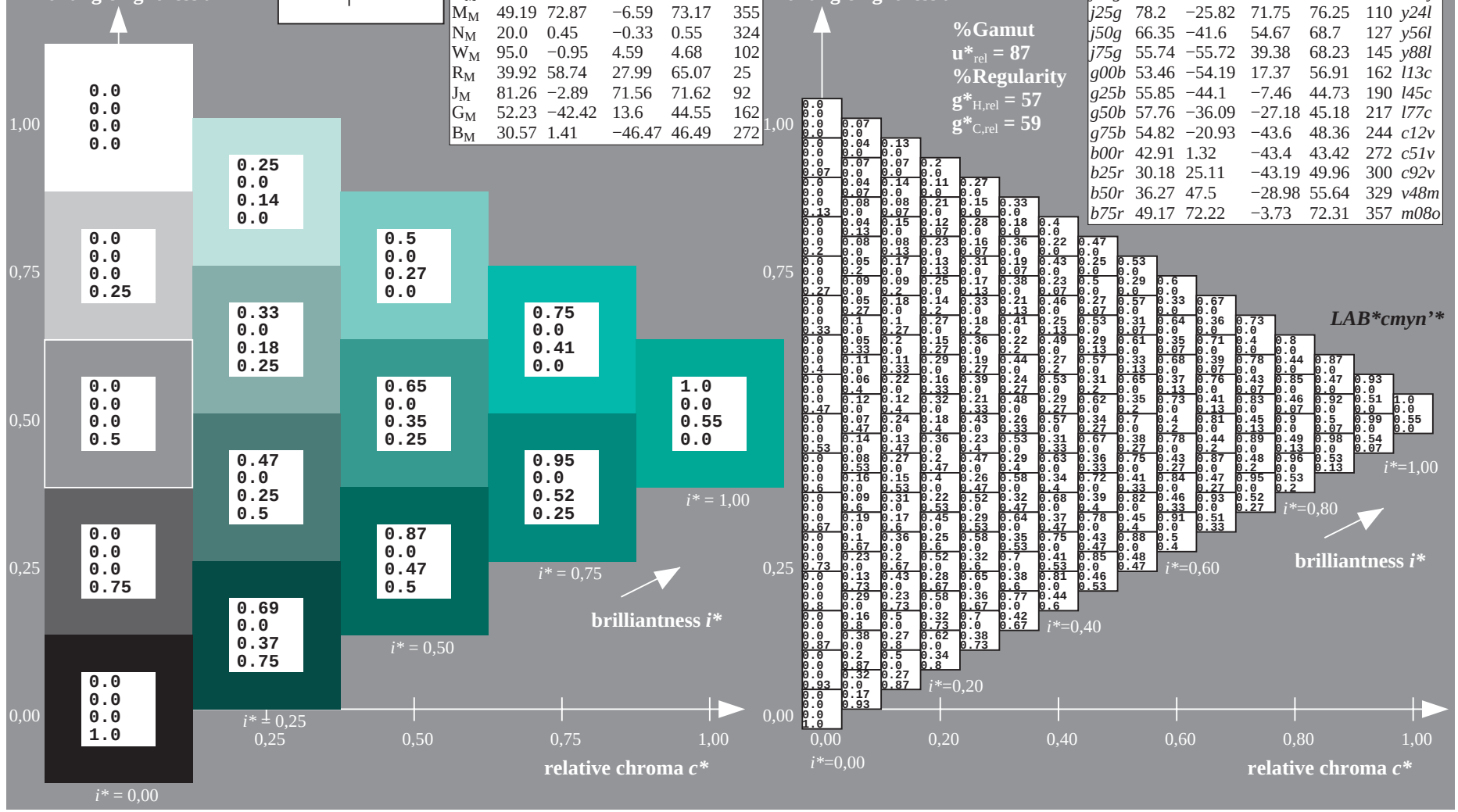
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 −44 −7
$LAB^*LCH^*_{Ma}$: 56 45 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.45
triangle lightness t^*

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

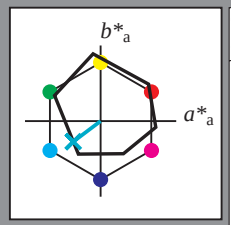
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g50b$ $u^*_d = l77c$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



ORS18_95aM; CIELAB data

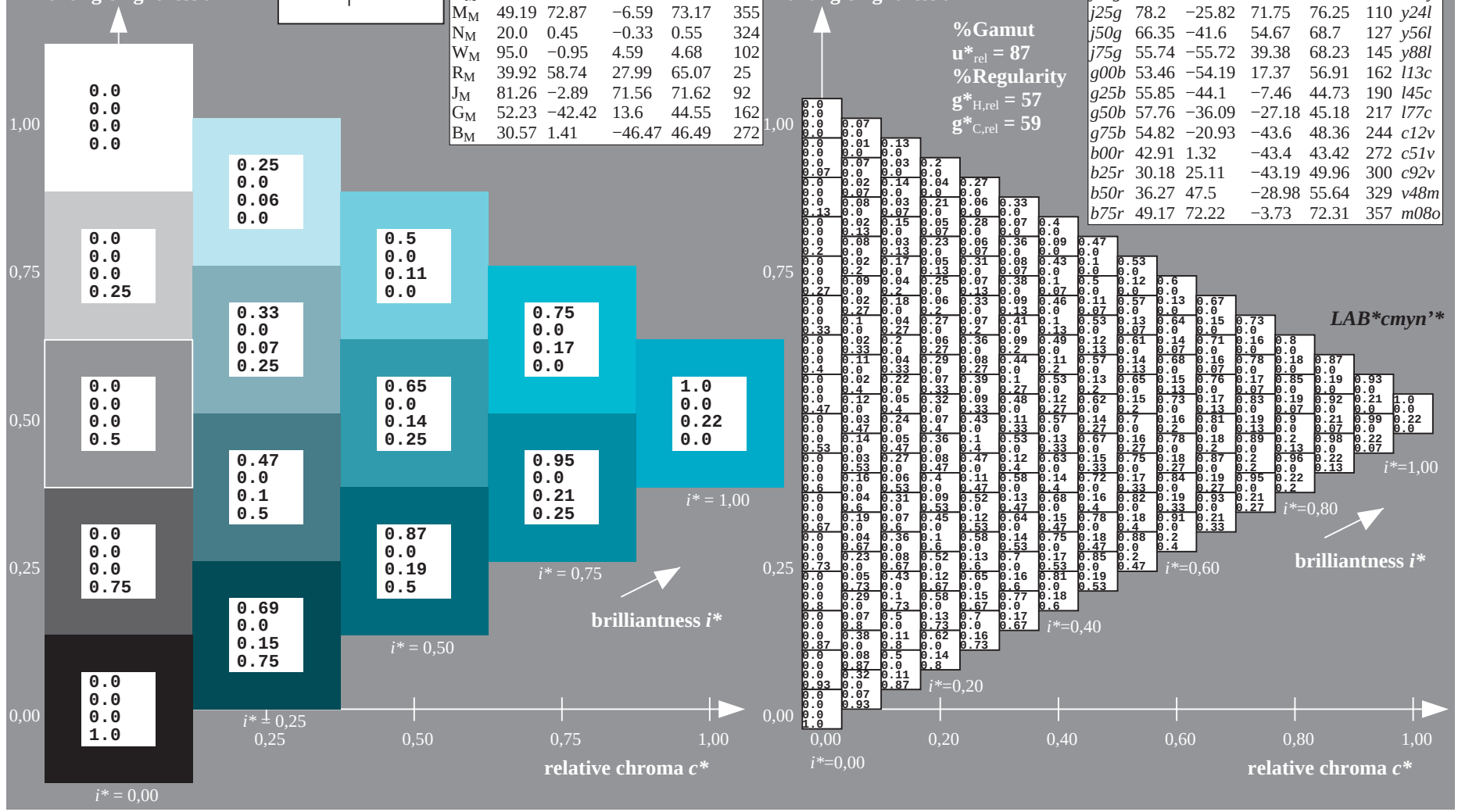
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 58 −36 −27**
***LAB*LCH*$_{Ma}$*: 58 45 216**
***lab*rgb*$_{Ma}$*: 0.0 1.0 1.0**
***lab*olv*$_{Ma}$*: 0.0 1.0 0.78**
triangle lightness *t**

%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

ORS18_95aM; adapted (a) CIELAB data

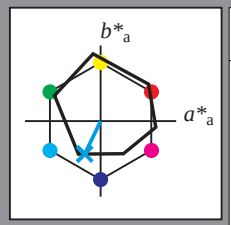
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g75b$ $u^*_d = c12v$
contrast reduction factor:
$c_R = 0.97$
triangle lightness t^*



ORS18_95aM; CIELAB data

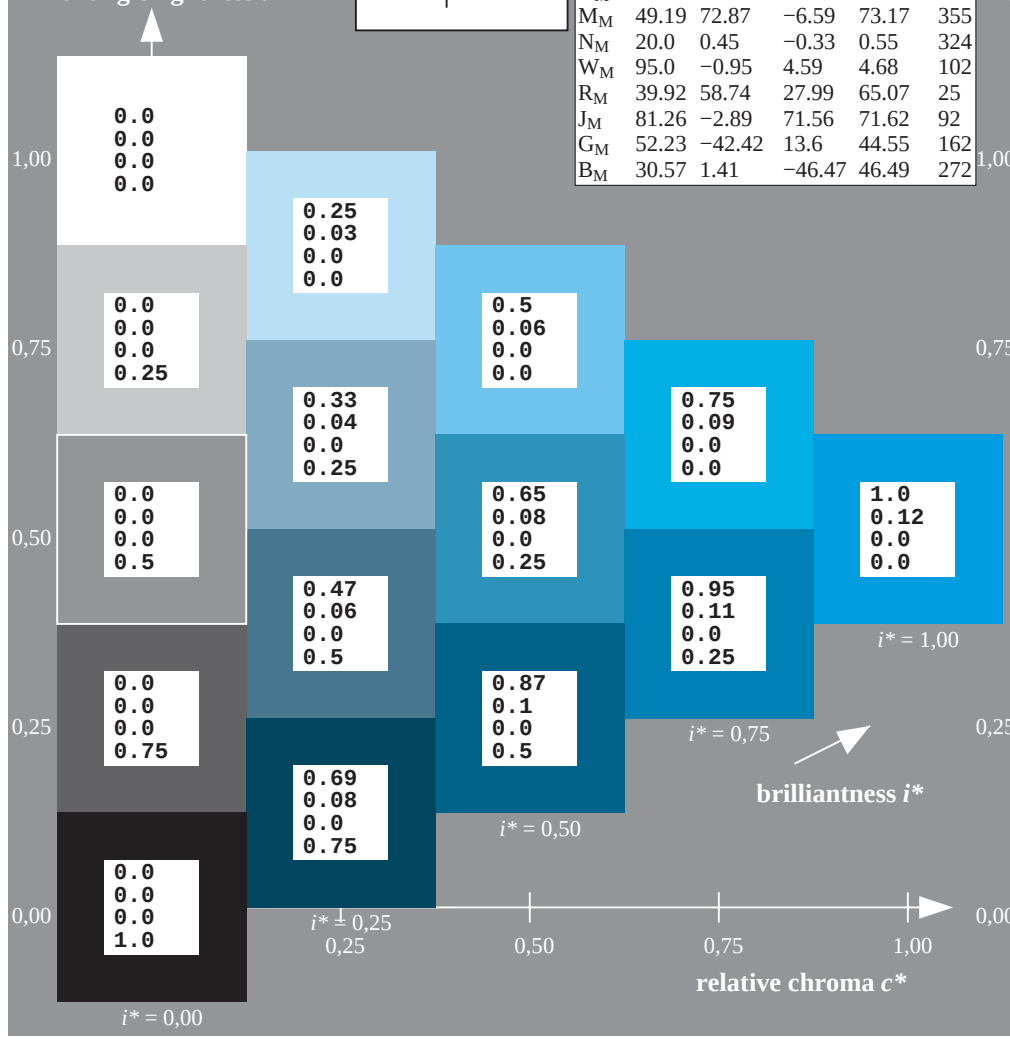
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −21 −44
$LAB^*LCH^*_{Ma}$: 55 48 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.88 1.0

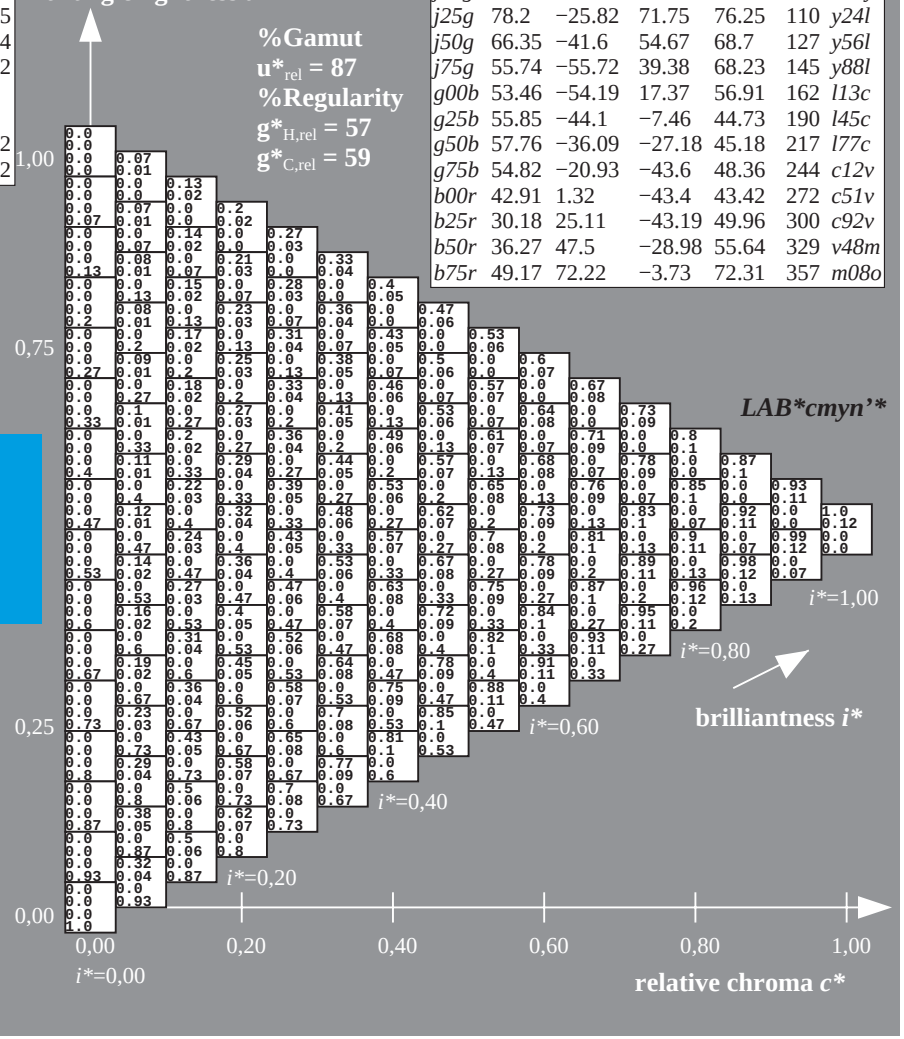
ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*

triangle lightness t^*



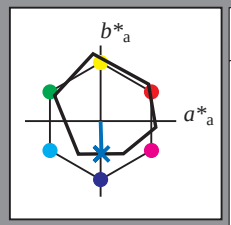
%Gamut
$u^*_{rel} = 87$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$



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

u^*_e = *b00r*
LAB*cmyn'*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b00r* u^*_d = *c51v*
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



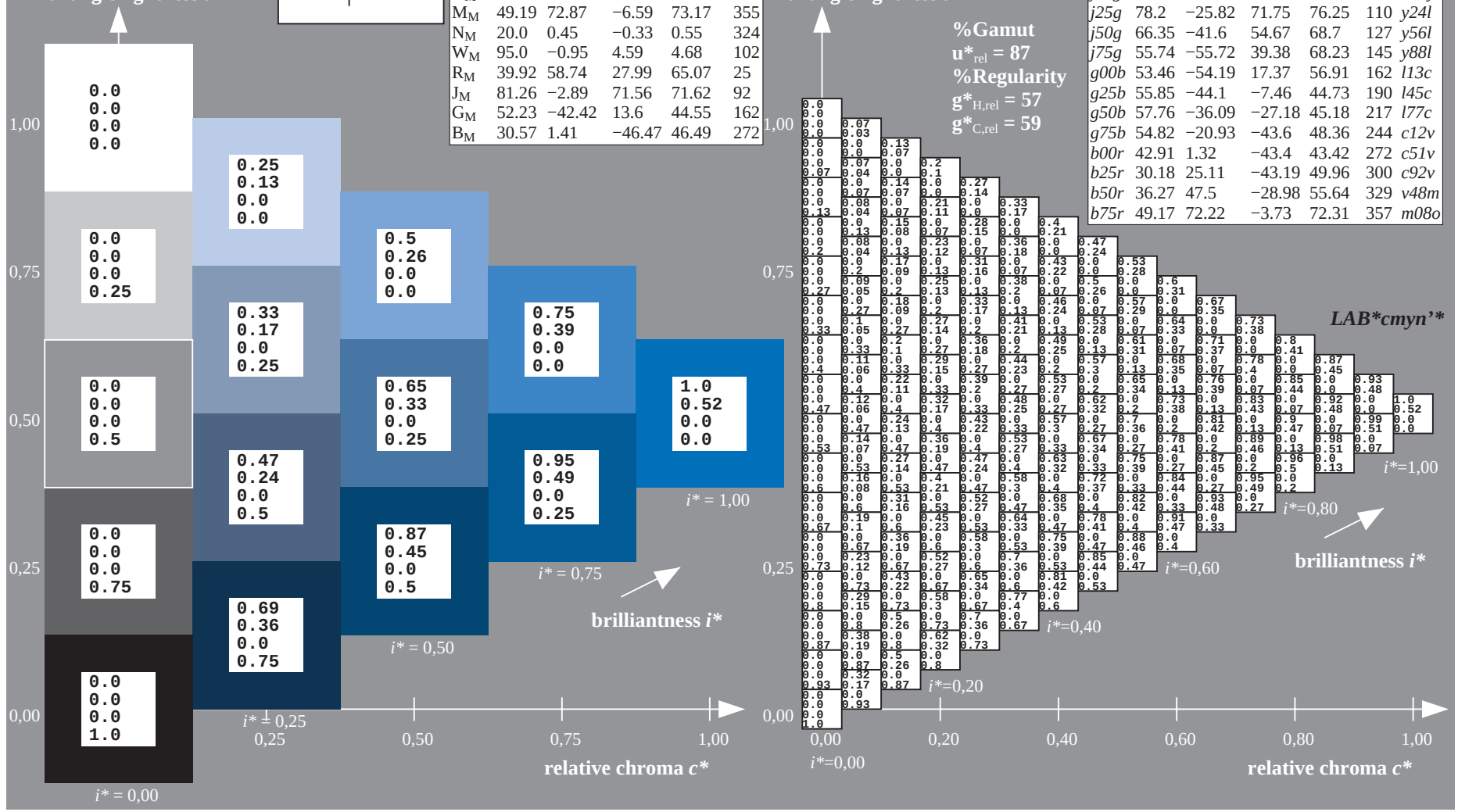
ORS18_95aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 43 1 −43**
***LAB*LCH*$_{Ma}$*: 43 43 271**
***lab*rgb*$_{Ma}$*: 0.0 0.0 1.0**
***lab*olv*$_{Ma}$*: 0.0 0.48 1.0**
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

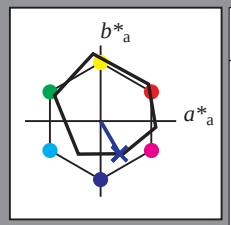
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

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

data for any colour:
lab*tch **and** ***lab*icu****
Hue texts:
$u^*_e = b25r$ $u^*_d = c92v$
contrast reduction factor:
$c_R = 0.97$
triangle lightness *t**



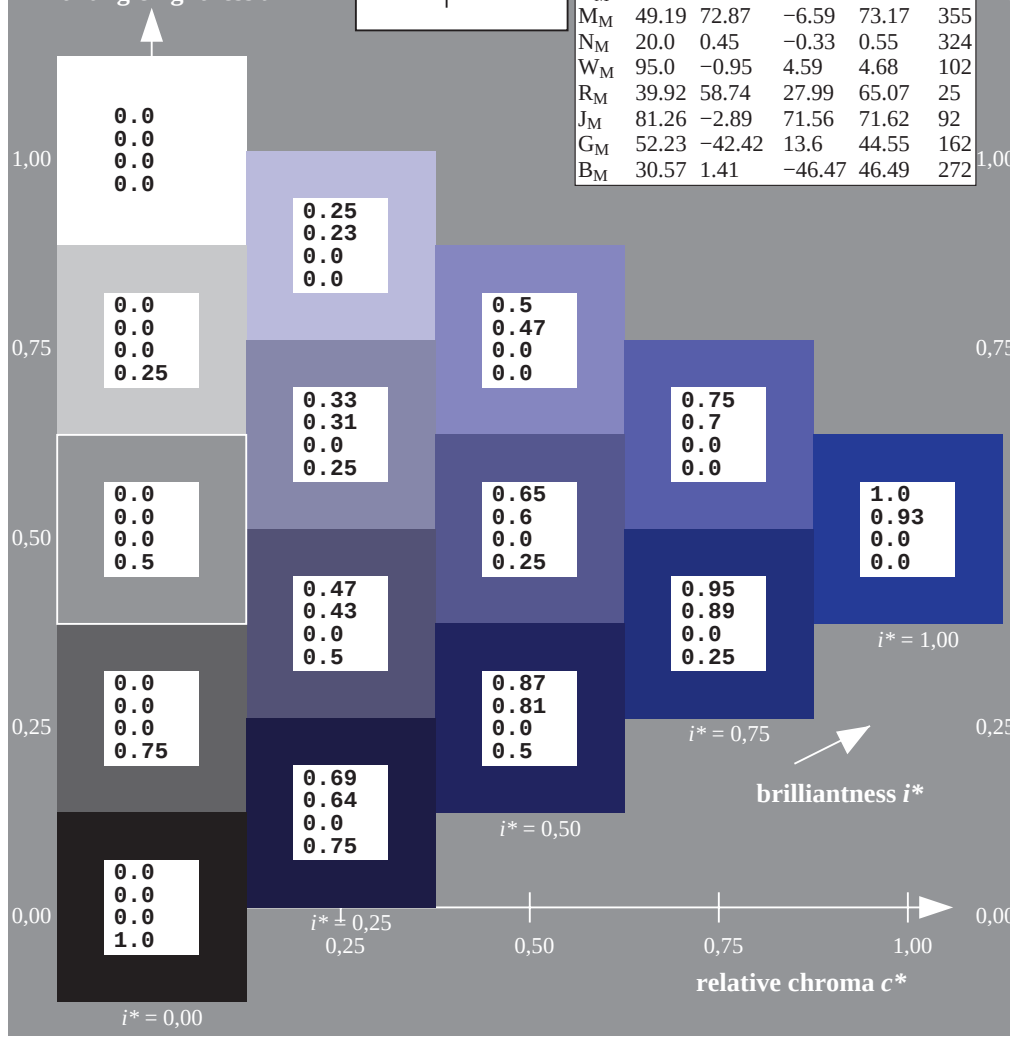
ORS18_95aM; CIELAB data

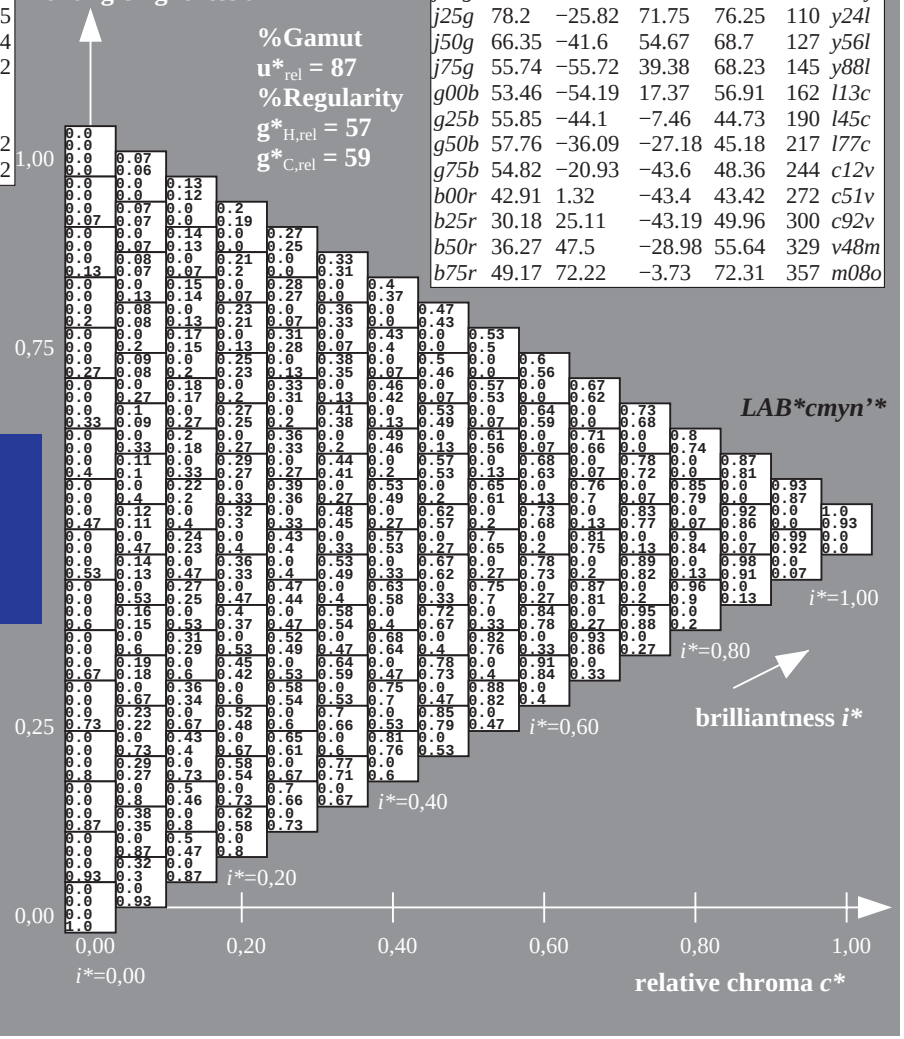
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 30 25 −43**
***LAB*LCH*Ma*: 30 50 300**
***lab*rgb*Ma*: 0.5 0.0 1.0**
***lab*olv*Ma*: 0.0 0.07 1.0**
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*





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

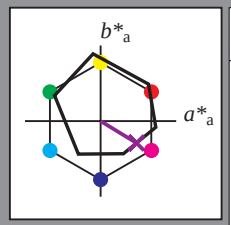
u^*_e = *b50r*
LAB*cmyn'*

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

Hue texts:
u^*_e = *b50r* u^*_d = *v48m*

contrast reduction factor:
$c_R = 0.97$

triangle lightness *t**



ORS18_95aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):

***LAB*LAB**$_{Ma}$: 36 47 −29**

***LAB*LCH**$_{Ma}$: 36 56 328**

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

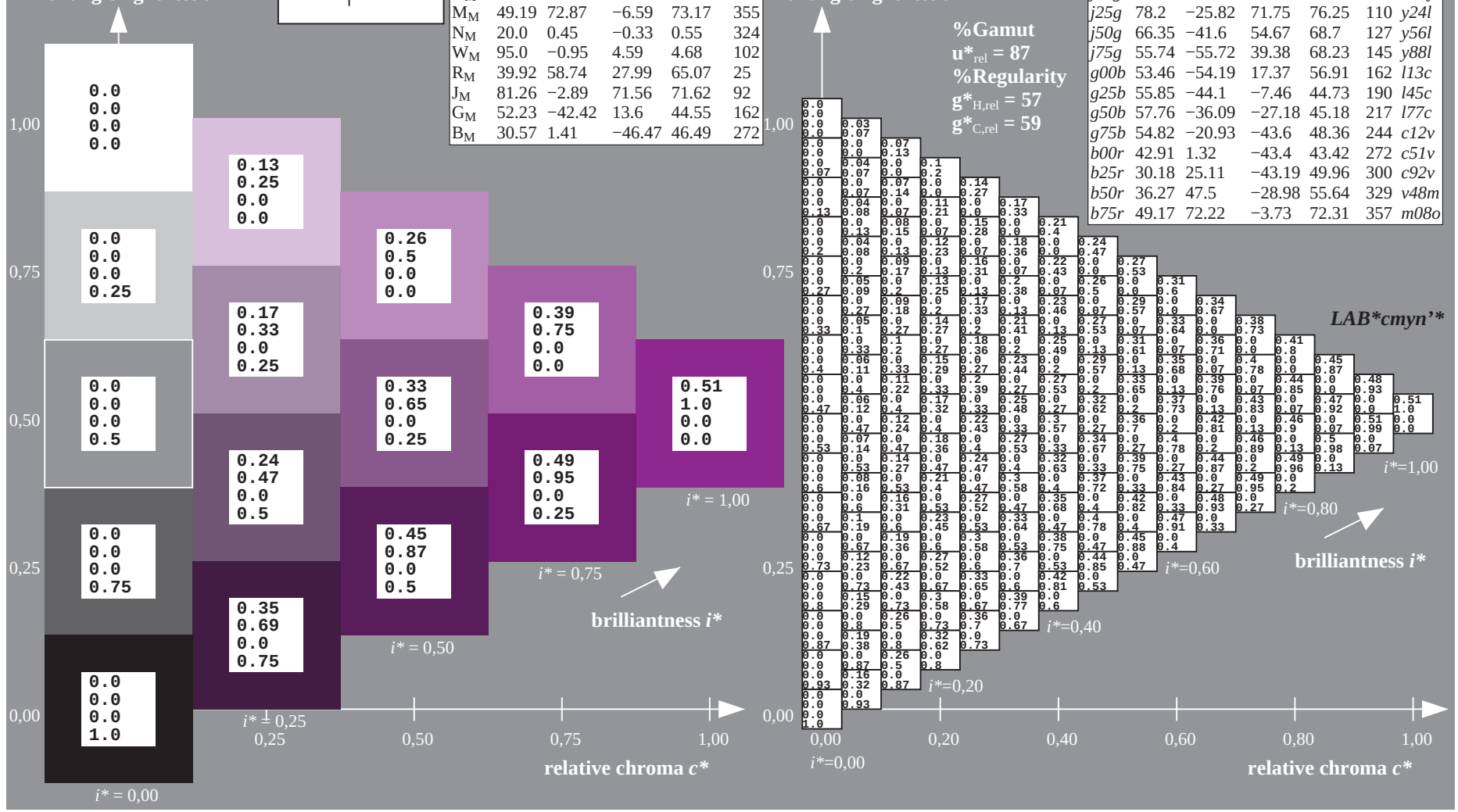
***lab*olv**$_{Ma}$: 0.49 0.0 1.0**

triangle lightness *t**

%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59

ORS18_95aM; adapted (a) CIELAB data

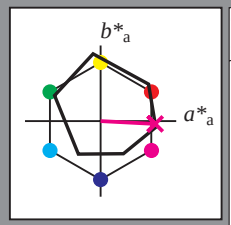
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



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

u^*_e = *b75r*
LAB*cmyn'*

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *b75r* u^*_d = *m08o*
contrast reduction factor:
c_R = 0.97
triangle lightness *t**



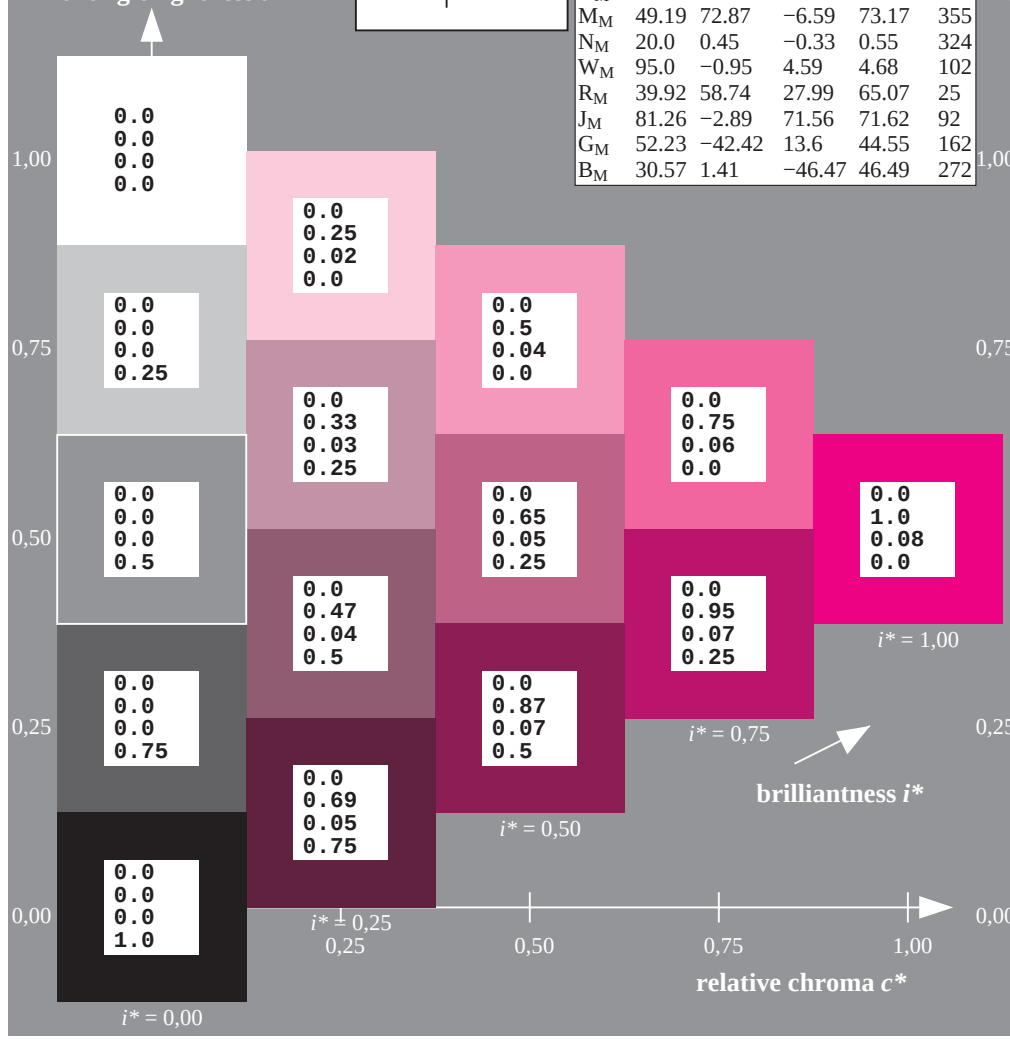
ORS18_95aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	49.0	63.28	50.46	80.94	39
Y_M	90.12	−10.81	93.19	93.81	97
L_M	51.87	−61.02	35.57	70.63	150
C_M	59.35	−29.68	−41.42	50.96	234
V_M	27.47	30.47	−42.98	52.69	305
M_M	49.19	72.87	−6.59	73.17	355
N_M	20.0	0.45	−0.33	0.55	324
W_M	95.0	−0.95	4.59	4.68	102
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

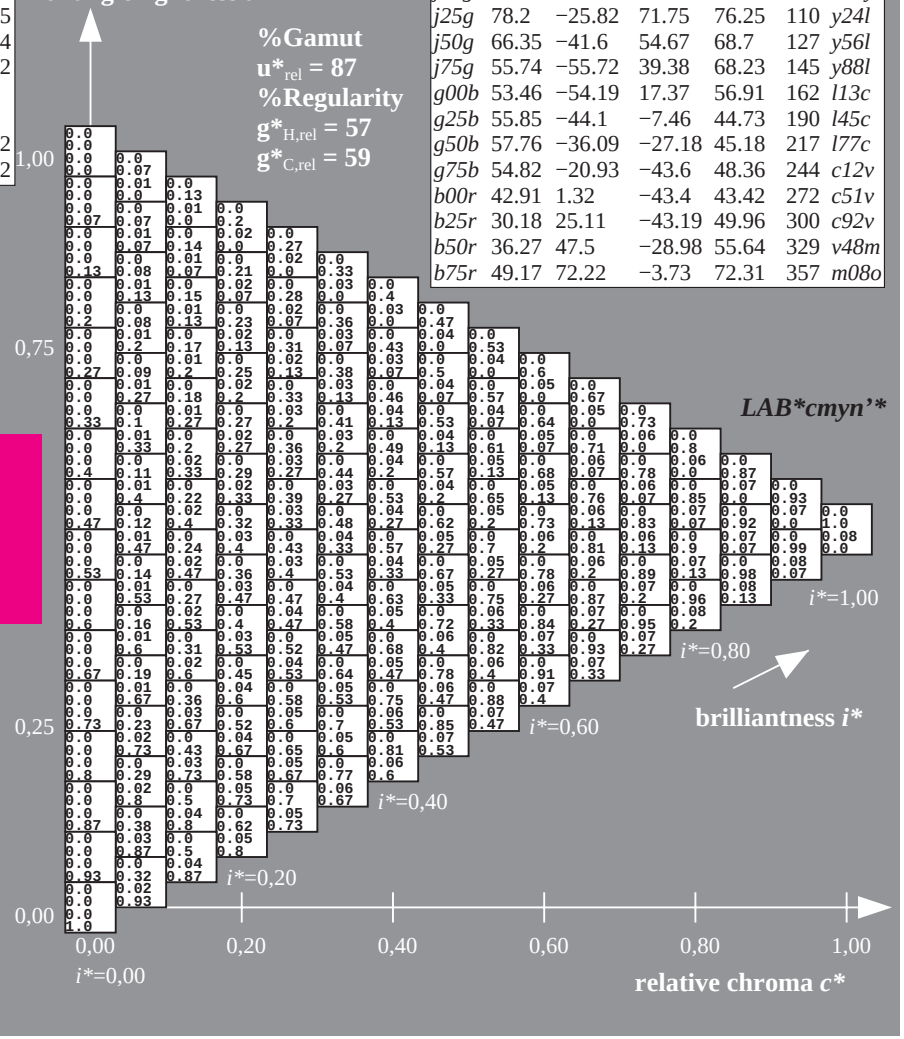
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 49 72 −4**
LAB*LCH*$_{Ma}$**: 49 72 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.92**
triangle lightness *t**

ORS18_95aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	49.06	66.28	31.59	73.43	25	*m72o*
r25j	52.31	57.48	52.1	77.58	42	*o08y*
r50j	63.29	37.89	62.8	73.34	59	*o36y*
r75j	74.0	18.8	73.22	75.6	76	*o64y*
j00g	86.47	−3.45	85.37	85.44	92	*o92y*
j25g	78.2	−25.82	71.75	76.25	110	*y24l*
j50g	66.35	−41.6	54.67	68.7	127	*y56l*
j75g	55.74	−55.72	39.38	68.23	145	*y88l*
g00b	53.46	−54.19	17.37	56.91	162	*l13c*
g25b	55.85	−44.1	−7.46	44.73	190	*l45c*
g50b	57.76	−36.09	−27.18	45.18	217	*l77c*
g75b	54.82	−20.93	−43.6	48.36	244	*c12v*
b00r	42.91	1.32	−43.4	43.42	272	*c51v*
b25r	30.18	25.11	−43.19	49.96	300	*c92v*
b50r	36.27	47.5	−28.98	55.64	329	*v48m*
b75r	49.17	72.22	−3.73	72.31	357	*m08o*



%Gamut
u^*_{rel} = 87
%Regularity
$g^*_{H,rel}$ = 57
$g^*_{C,rel}$ = 59



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*cmyn'*
01	0.0	0.48	0.69	0.8	0.87	0.92	0.95	0.98	1.0	0.0	0.0	0.34	0.53	0.65	0.73	0.79	0.84	0.88	0.0	0.0	0.0	0.27	0.43	0.55	0.63	0.7	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0
	0.0	0.48	0.69	0.8	0.87	0.92	0.95	0.98	1.0	0.48	0.48	0.69	0.8	0.87	0.92	0.95	0.98	1.0	0.69	0.69	0.69	0.8	0.87	0.92	0.95	0.98	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0
	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
02	0.48	0.48	0.69	0.8	0.87	0.92	0.95	0.98	1.0	0.0	0.0	0.42	0.58	0.68	0.75	0.8	0.84	0.88	0.0	0.0	0.0	0.29	0.45	0.56	0.64	0.7	0.75	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.28	0.42	0.56	0.7	0.84	0.98	0.0	0.0
	0.0	0.0	0.34	0.53	0.65	0.73	0.79	0.84	0.88	0.0	0.0	0.42	0.58	0.68	0.75	0.8	0.84	0.88	0.34	0.42	0.58	0.68	0.75	0.8	0.84	0.88	0.0	0.0	0.0	0.14	0.28	0.42	0.56	0.7	0.84	0.98	0.0	0.0
	0.88	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.88	0.88
03	0.69	0.69	0.69	0.8	0.87	0.92	0.95	0.98	1.0	0.34	0.42	0.42	0.58	0.68	0.75	0.8	0.84	0.88	0.0	0.0	0.0	0.31	0.47	0.57	0.65	0.7	0.75	0.25	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.69	0.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.69	0.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.33	0.49	0.65	0.8	0.95	0.0	0.0
	0.0	0.0	0.0	0.27	0.43	0.55	0.63	0.7	0.75	0.0	0.0	0.0	0.29	0.45	0.56	0.64	0.7	0.75	0.0	0.0	0.0	0.31	0.47	0.57	0.65	0.7	0.75	0.0	0.0	0.0	0.17	0.33	0.49	0.65	0.8	0.95	0.0	0.0
	0.75	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.75	0.75
04	0.8	0.8	0.8	0.8	0.87	0.92	0.95	0.98	1.0	0.53	0.58	0.58	0.58	0.68	0.75	0.8	0.84	0.88	0.27	0.29	0.31	0.31	0.47	0.57	0.65	0.7	0.75	0.38	0.28	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.8	0.53	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.58	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.58	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.39	0.57	0.75	0.92	0.0	0.0
	0.0	0.0	0.0	0.0	0.22	0.37	0.48	0.56	0.63	0.0	0.0	0.0	0.0	0.23	0.37	0.48	0.56	0.63	0.0	0.0	0.0	0.0	0.23	0.38	0.48	0.56	0.63	0.0	0.0	0.0	0.0	0.2	0.39	0.57	0.75	0.92	0.0	0.0
	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.63	0.63
05	0.87	0.87	0.87	0.87	0.87	0.92	0.95	0.98	1.0	0.65	0.68	0.68	0.68	0.68	0.75	0.8	0.84	0.88	0.45	0.45	0.47	0.47	0.47	0.57	0.65	0.7	0.75	0.5	0.42	0.33	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.87	0.65	0.43	0.22	0.0	0.0	0.0	0.0	0.0	0.87	0.68	0.45	0.23	0.0	0.0	0.0	0.0	0.0	0.87	0.68	0.47	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.47	0.68	0.87	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.18	0.32	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.19	0.32	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.19	0.32	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.24	0.47	0.68	0.87	0.0	0.0
	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.5	0.5	0.5	0.5	0.5	0.5
06	0.92	0.92	0.92	0.92	0.92	0.92	0.95	0.98	1.0	0.73	0.75	0.75	0.75	0.75	0.75	0.8	0.84	0.88	0.55	0.56	0.57	0.57	0.57	0.57	0.65	0.7	0.75	0.63	0.56	0.49	0.39	0.24	0.0	0.0	0.0	0.0	0.0	0.0
	0.92	0.73	0.55	0.37	0.18	0.0	0.0	0.0	0.0	0.92	0.75	0.56	0.37	0.19	0.0	0.0	0.0	0.0	0.92	0.75	0.57	0.38	0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.58	0.8	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.0	0.0	0.0	0.0	0.0
	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.63	0.63	0.63	0.38	0.38
07	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.98	1.0	0.79	0.8	0.8	0.8	0.8	0.8	0.8	0.84	0.88	0.63	0.64	0.65	0.65	0.65	0.65	0.65	0.7	0.75	0.75	0.7	0.65	0.57	0.47	0.31	0.0	0.0	0.0	0.0	0.0
	0.95	0.79	0.63	0.48	0.32	0.16	0.0	0.0	0.0	0.95	0.8	0.64	0.48	0.32	0.16	0.0	0.0	0.0	0.95	0.8	0.65	0.48	0.32	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.69	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.69	0.0	0.0
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25
08	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	1.0	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.88	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.75	0.88	0.84	0.8	0.75	0.68	0.58	0.42	0.0	0.0	0.0	0.0
	0.98	0.84	0.7	0.56	0.42	0.28	0.14	0.0	0.0	0.98	0.84	0.7	0.56	0.42	0.28	0.14	0.0	0.0	0.98	0.84	0.7	0.56	0.42	0.28	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.0
	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.88	0.13	0.13
09	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.98	0.95	0.92	0.87	0.8	0.69	0.48	0.0	0.0	0.0
	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.22	0.37	0.48	0.56	0.63	0.0	0.0	0.0	0.0	0.0	0.18	0.32	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.8	0.53	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.87	0.65	0.43	0.22	0.0	0.0	0.0	0.0	0.0	0.92	0.73	0.55	0.37	0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.87	0.92	0.95	0.98	1.0	0.87	0.87	0.87	0.87	0.87	0.92	0.95	0.98	1.0	0.92	0.92	0.92	0.92	0.92	0.92	0.95	0.98	1.0	0.0	0.13	0.25	0.38	0.0	0.63	0.75	0.88	1.0	0.0	0.0
	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
11	0.0	0.0	0.0	0.0	0.23	0.37	0.48	0.56	0.63	0.0	0.0	0.0	0.0	0.0	0.19	0.32	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.8	0.58	0.29	0.0	0.0	0.0	0.0	0.0	0.0	0.87	0.68	0.45	0.23	0.0	0.0	0.0	0.0	0.0	0.92	0.75	0.56	0.37	0.19	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.63	0.63	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.75	0.75	0.75	0.8	0.84	0.88	0.75	0.75	0.75	0.75	0.8	0.84	0.88	0.0	0.0	0.14	0.28	0.42	0.56	0.7	0.84	0.98	0.0	0.0
	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.58	0.58	0.58	0.58	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.93	0.93
12	0.0	0.0	0.0	0.0	0.23	0.38	0.48	0.56	0.63	0.0	0.0	0.0	0.0	0.0	0.19	0.32	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.25	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.8	0.58	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.87	0.68	0.47	0.23	0.0	0.0	0.0	0.0	0.0	0.92	0.75	0.57	0.38	0.19	0.0	0.0	0.0	0.0	0.25	0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.27	0.29	0.31	0.31	0.47	0.57	0.65	0.7	0.75	0.43	0.45	0.47	0.47	0.47	0.57	0.65	0.7	0.75	0.55	0.56	0.57	0.57	0.57	0.57	0.65	0.7	0.75	0.0	0.0	0.0	0.17	0.33	0.49	0.65	0.8	0.95	0.0	0.0
	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.87	0.87
13	0.0	0.0	0.0	0.0	0.24	0.39	0.49	0.56	0.63	0.0	0.0	0.0	0.0	0.0	0.19	0.33	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.38	0.28	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.8	0.58	0.31	0.0	0.0	0.0	0.0	0.0	0.0	0.87	0.68	0.47	0.24	0.0	0.0	0.0	0.0	0.0	0.92	0.75	0.57	0.39	0.19	0.0	0.0	0.0	0.0	0.38	0.28	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.24	0.39	0.49	0.56	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.39	0.57	0.75	0.92	0.0	0.0
	0.63	0.63	0.63	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.8	0.8
14	0.22	0.23	0.23	0.24	0.24	0.39	0.49	0.56	0.63	0.0	0.0	0.0	0.0	0.0	0.2	0.33	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.5	0.42	0.33	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.87	0.68	0.47	0.24	0.0	0.0	0.0	0.0	0.0	0.87	0.68	0.47	0.24	0.0	0.0	0.0	0.0	0.0	0.92	0.75	0.57	0.39	0.2	0.0	0.0	0.0	0.0	0.5	0.42	0.33	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.19	0.33	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.33	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.16	0.28	0.38	0.0	0.0	0.0	0.0	0.0	0.24	0.47	0.68	0.87	0.0	0.0
	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.5	0.5	0.5	0.5	0.73	0.73
15	0.37	0.37	0.38	0.39	0.39	0.39	0.49	0.56	0.63	0.18	0.19	0.19	0.19	0.2	0.2	0.33	0.42	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.17	0.28	0.38	0.63	0.56	0.49	0.39	0.24	0.0	0.0	0.0	0.0	0.0	0.0
	0.92	0.75	0.57	0.39	0.19	0.0	0.0	0.0	0.0	0.92	0.75	0.57	0.39	0.2	0.0	0.0	0.0	0.0	0.92	0.75	0.57	0.39	0.2	0.0	0.0	0.0	0.0	0.63	0.56	0.49	0.39	0.24	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	0.38	0.38	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.63	0.63	0.63	0.67	0.67
16	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.56	0.63	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.42	0.5	0.16	0.16	0.16	0.16	0.17	0.17	0.28	0.38	0.75	0.7	0.65	0.57	0.47	0.31	0.0	0.0	0.0	0.0	0.0	0.0
	0.95	0.8	0.65	0.49	0.33	0.16	0.0	0.0	0.0	0.95	0.8	0.65	0.49	0.33	0.16	0.0	0.0	0.0	0.95	0.8	0.65	0.49	0.33	0.17	0.0	0.0	0.0	0.75	0.7	0.65	0.57	0.47	0.31	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.14	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.42	0.69	0.0	0.0
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.6	0.6
17	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.63	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.38	0.88	0.88	0.84	0.8	0.75	0.68	0.58	0.42	0.0	0.0	0.0	0.0
	0.98	0.84	0.7	0.56	0.42	0.28	0.14	0.0	0.0	0.98	0.84	0.7	0.56	0.42	0.28	0.14	0.0	0.0	0.98	0.84	0.7	0.56	0.42	0.28	0.14	0.0	0.0	0.88	0.84	0.8	0.75	0.68	0.58	0.42	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.0	0.0	0.0
	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.88	0.53	0.53
18	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63