

Input and output: Colorimetric Printer Reflective System ORS20_95, $L^*=20_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$

$u^*_d = 100c$

data for any colour:

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

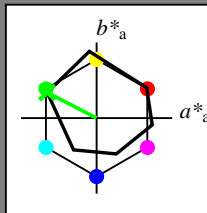
Hue texts:

$u^*_d = 100c$ $u^*_e = j85g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	46.89	66.19	40.28	77.48	31	
Y _{Ma}	88.66	-9.62	88.21	88.73	96	
L _{Ma}	54.22	-65.29	33.87	73.56	153	
C _{Ma}	61.43	-30.53	-42.04	51.96	234	
V _{Ma}	25.93	25.95	-47.37	54.01	299	
M _{Ma}	47.92	73.53	-9.02	74.08	353	
N _{Ma}	20.41	0.0	0.0	0.0	0	
W _{Ma}	94.64	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}: 54 -65 34$

$LAB^*LCH^*_{Ma}: 54 74 152$

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

$lab^*rgb^*_{Ma}: 0.14 1.0 0.0$

triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
<i>o00y</i>	46.89	66.19	40.28	77.48	31	<i>r09j</i>
<i>o25y</i>	57.13	47.6	52.04	70.52	48	<i>r33j</i>
<i>o50y</i>	66.36	30.85	62.62	69.81	64	<i>r57j</i>
<i>o75y</i>	76.18	13.03	73.89	75.03	80	<i>r81j</i>
<i>y00l</i>	88.66	-9.62	88.21	88.73	96	<i>j06g</i>
<i>y25l</i>	78.19	-26.54	71.69	76.45	110	<i>j25g</i>
<i>y50l</i>	69.83	-40.06	58.5	70.9	124	<i>j45g</i>
<i>y75l</i>	62.17	-52.44	46.41	70.03	138	<i>j65g</i>
<i>l00c</i>	54.22	-65.29	33.87	73.56	153	<i>j85g</i>
<i>l50c</i>	58.45	-44.92	-10.62	46.16	193	<i>g28b</i>
<i>c00v</i>	61.43	-30.53	-42.04	51.96	234	<i>g65b</i>
<i>c50v</i>	44.02	-2.84	-44.65	44.74	266	<i>g95b</i>
<i>v00m</i>	25.93	25.95	-47.37	54.01	299	<i>b23r</i>
<i>v50m</i>	35.2	46.01	-31.2	55.59	326	<i>b47r</i>
<i>m00o</i>	47.92	73.53	-9.02	74.08	353	<i>b71r</i>
<i>m50o</i>	47.42	69.94	15.08	71.55	12	<i>b88r</i>

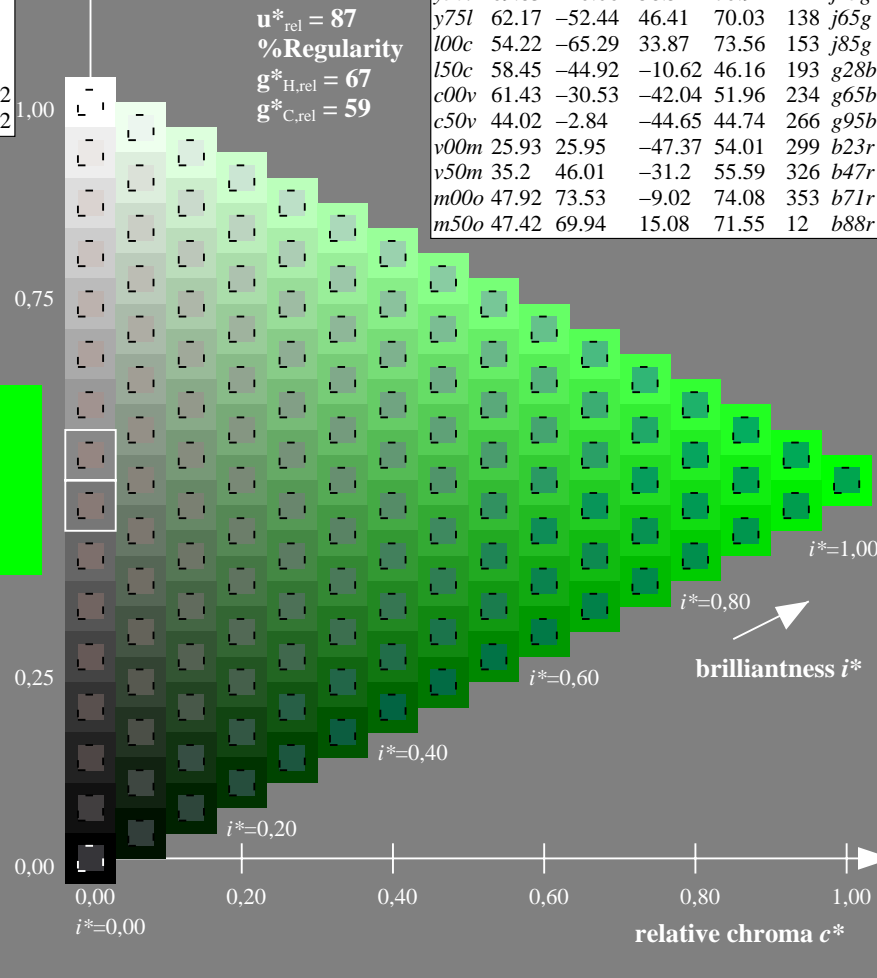
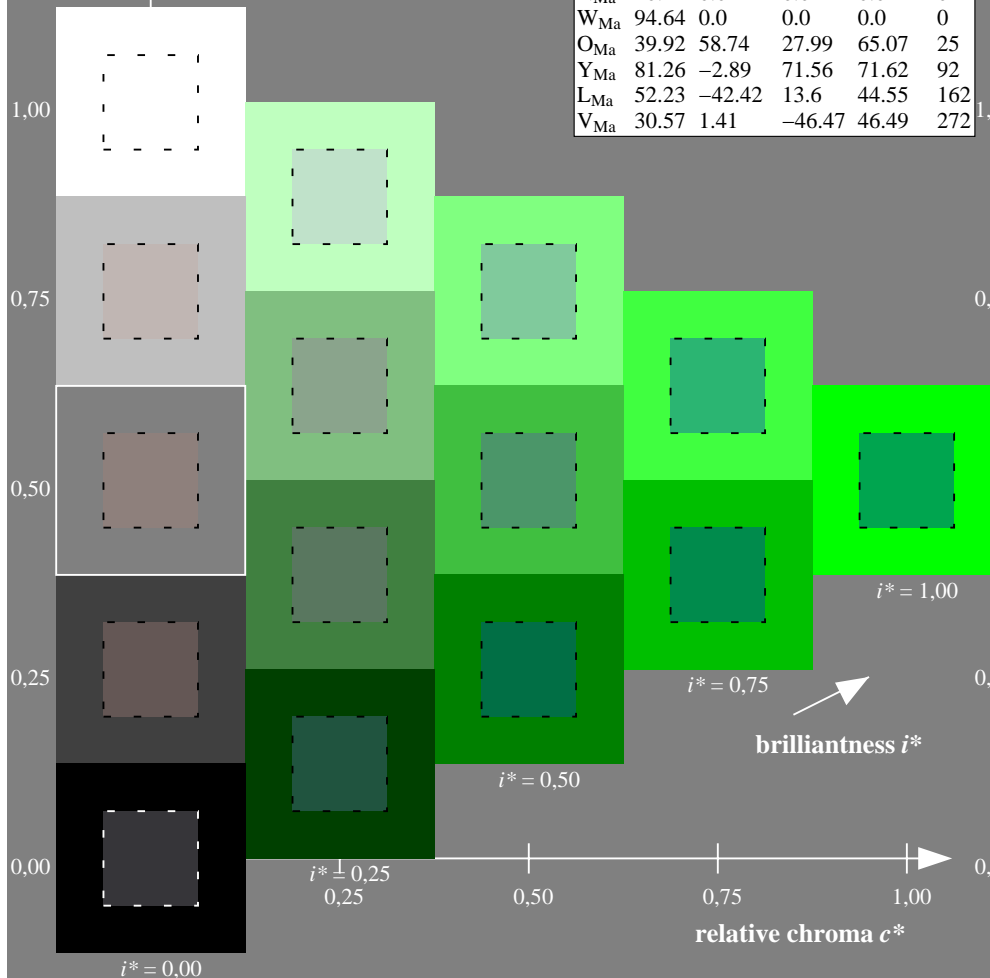
%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

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



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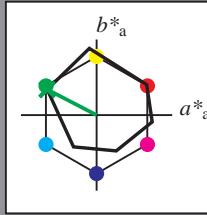
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contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -65 34

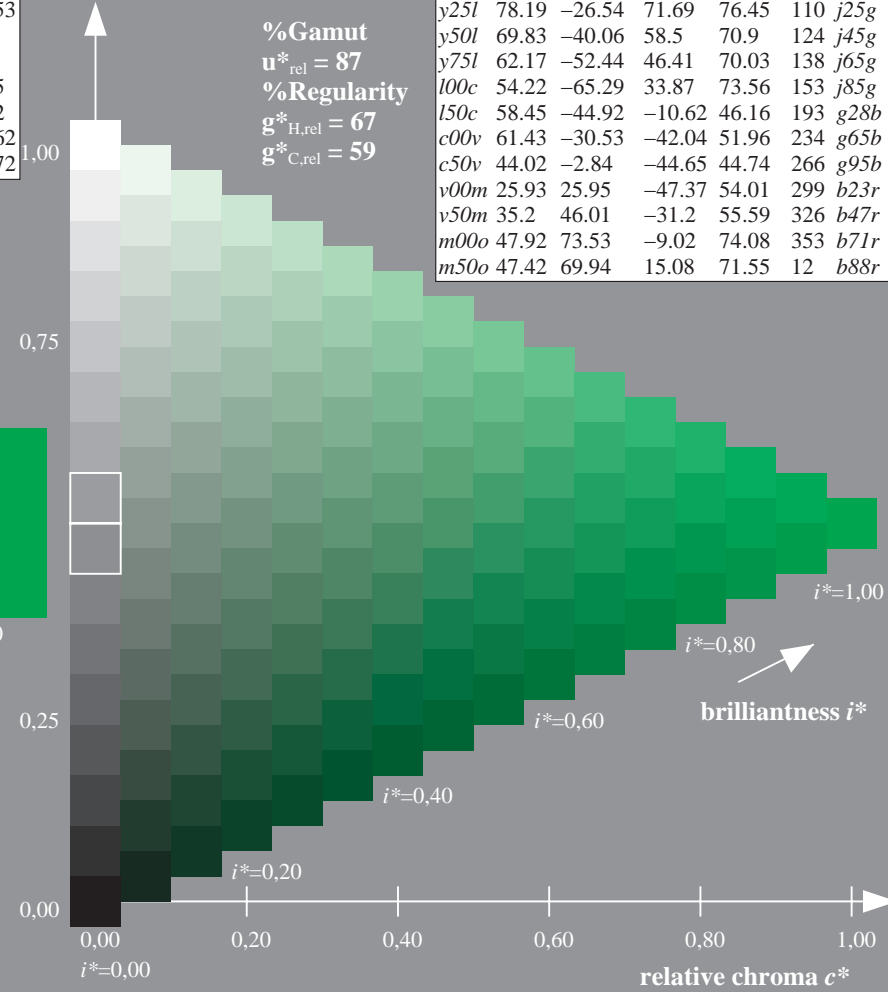
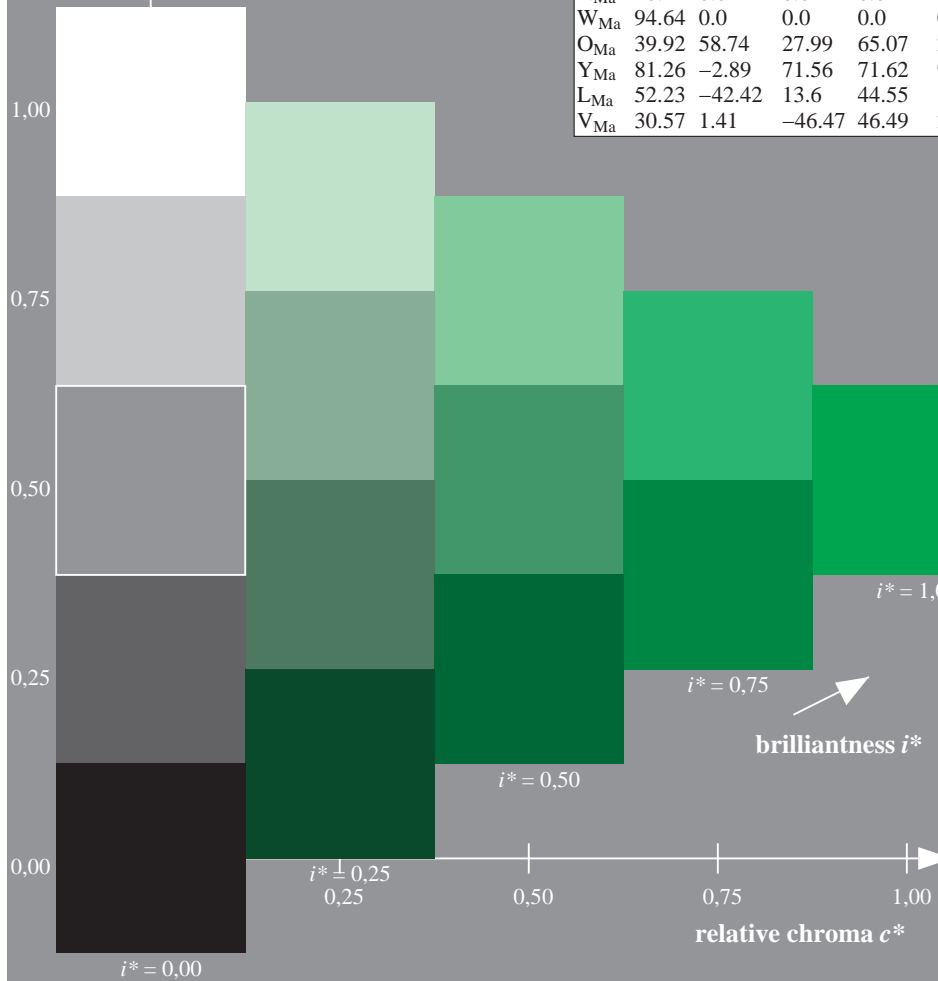
$LAB^*LCH^*_{Ma}$: 54 74 152

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

$lab^*rgb^*_{Ma}$: 0.14 1.0 0.0

triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
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<i>o75y</i>	76.18	13.03	73.89	75.03	80	<i>r81j</i>	
<i>y00l</i>	88.66	-9.62	88.21	88.73	96	<i>j06g</i>	
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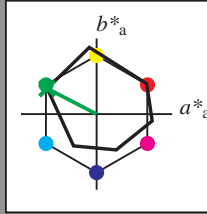


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 $u^*_{rel} = 87$
 %Regularity
 $g^*_{H,rel} = 67$
 $g^*_{C,rel} = 59$

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 data for any colour:

$u^*_d = 100c$
 lab^*olv^*

lab^*tch^* and lab^*icu^*
 Hue texts:
 $u^*_d = 100c$ $u^*_e = j85g$
 contrast reduction factor:
 $c_R = 1.0$
 triangle lightness t^*



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u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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$LAB^*LCH^*_{Ma}$: 54 74 152

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triangle lightness t^*

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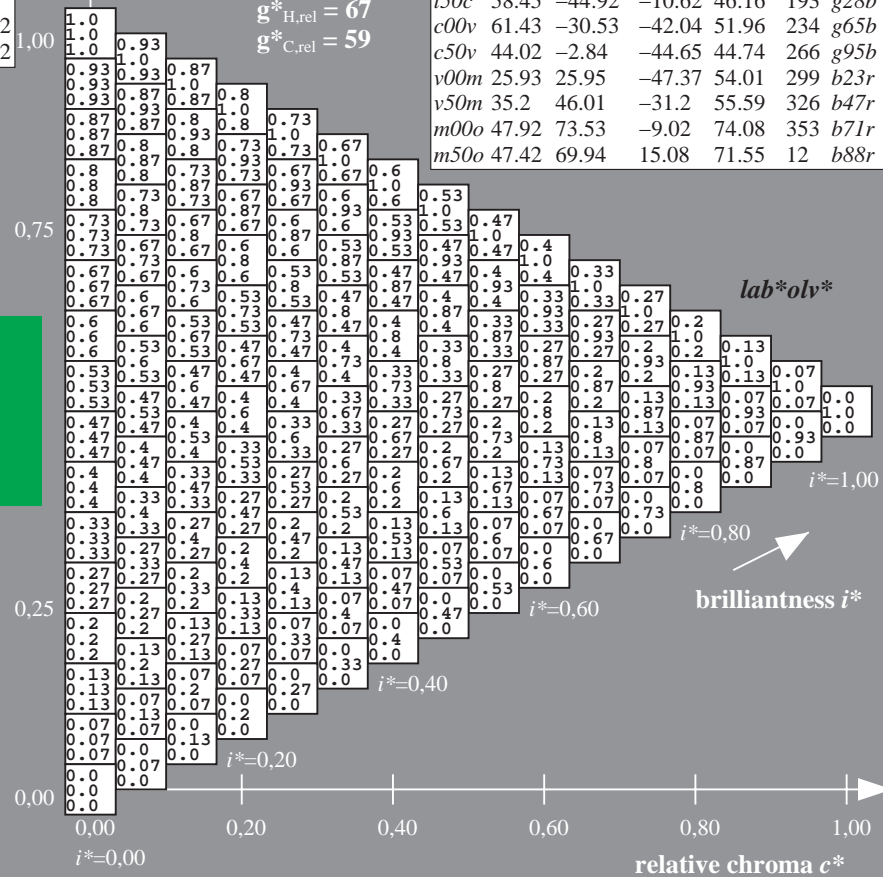
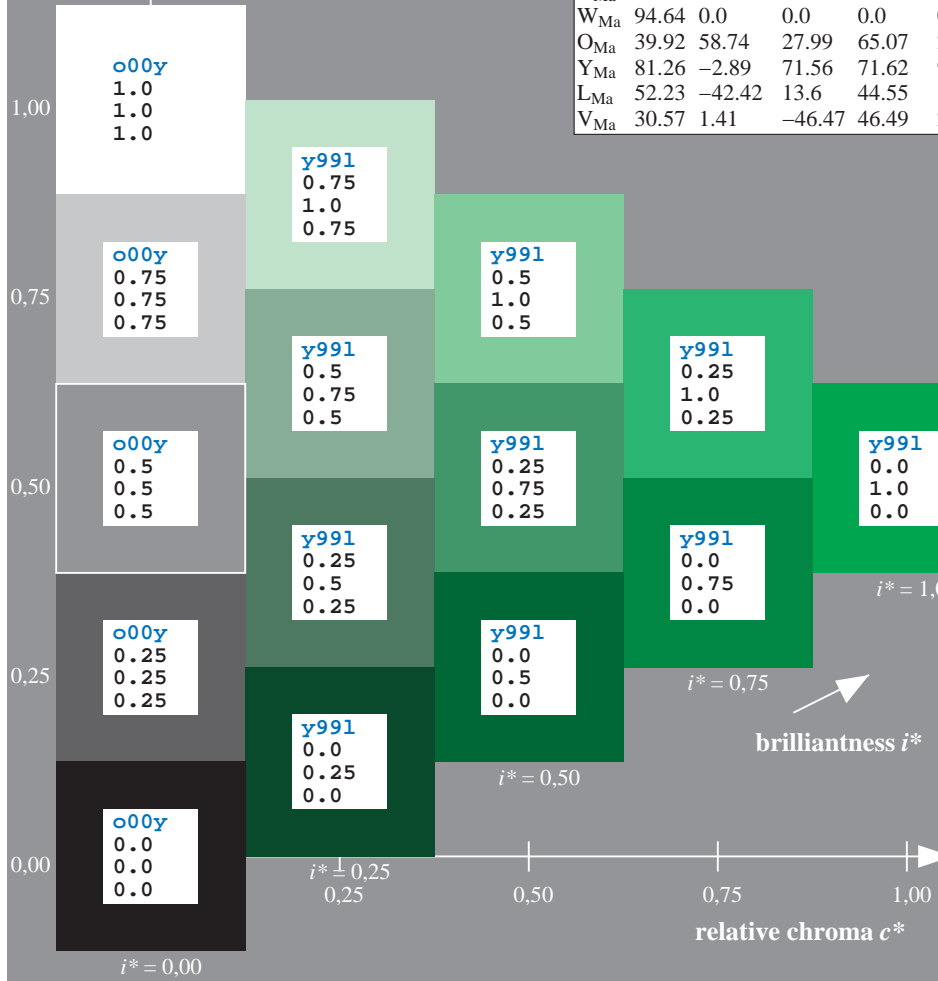
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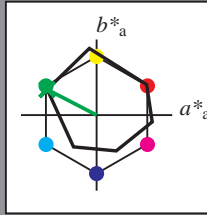
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 Hue texts:
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 $c_R = 1.0$
 triangle lightness t^*



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O _{Ma}	39.92	58.74	27.99	65.07	25
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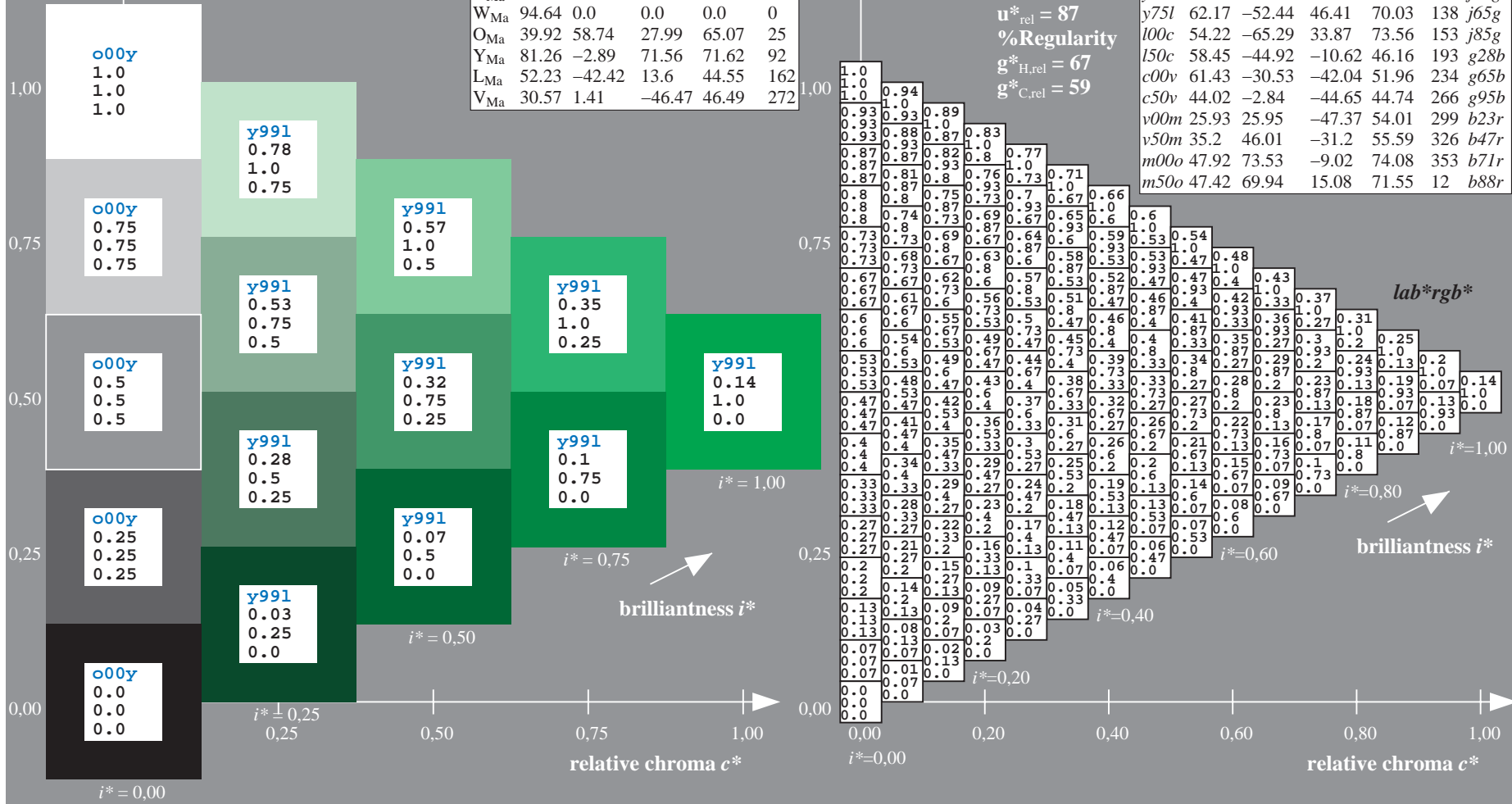
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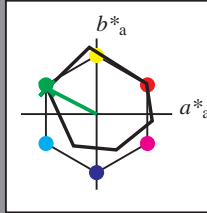
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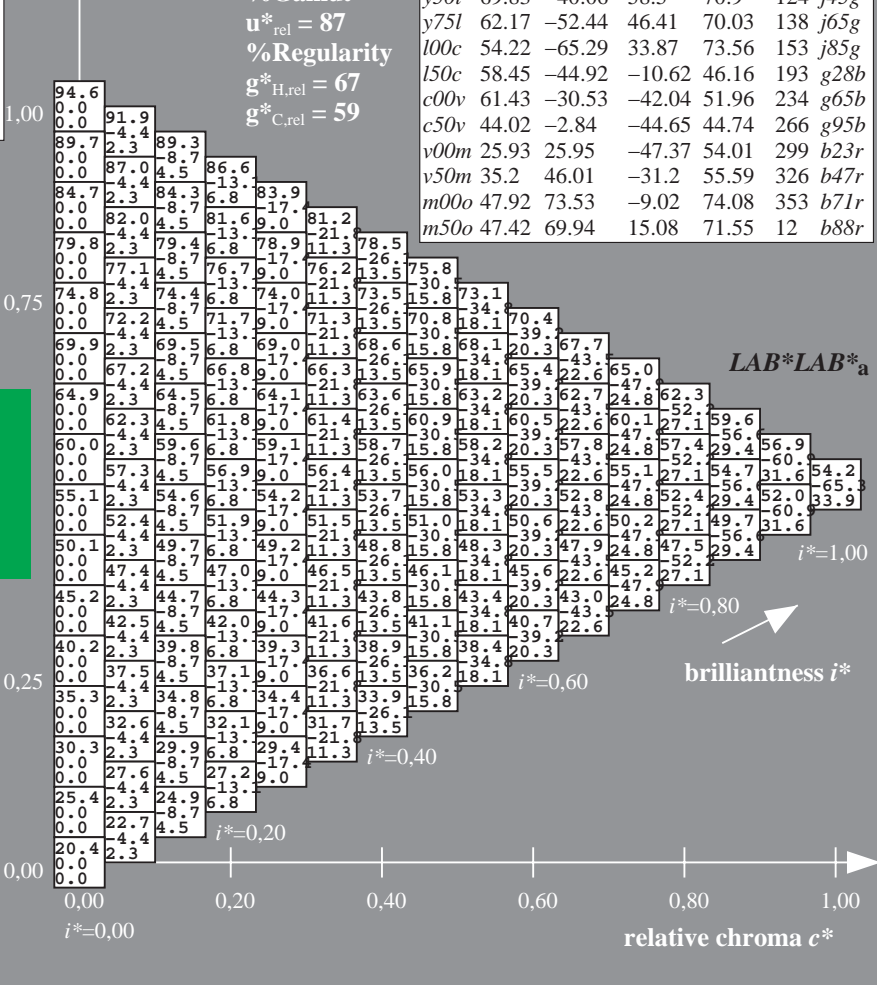
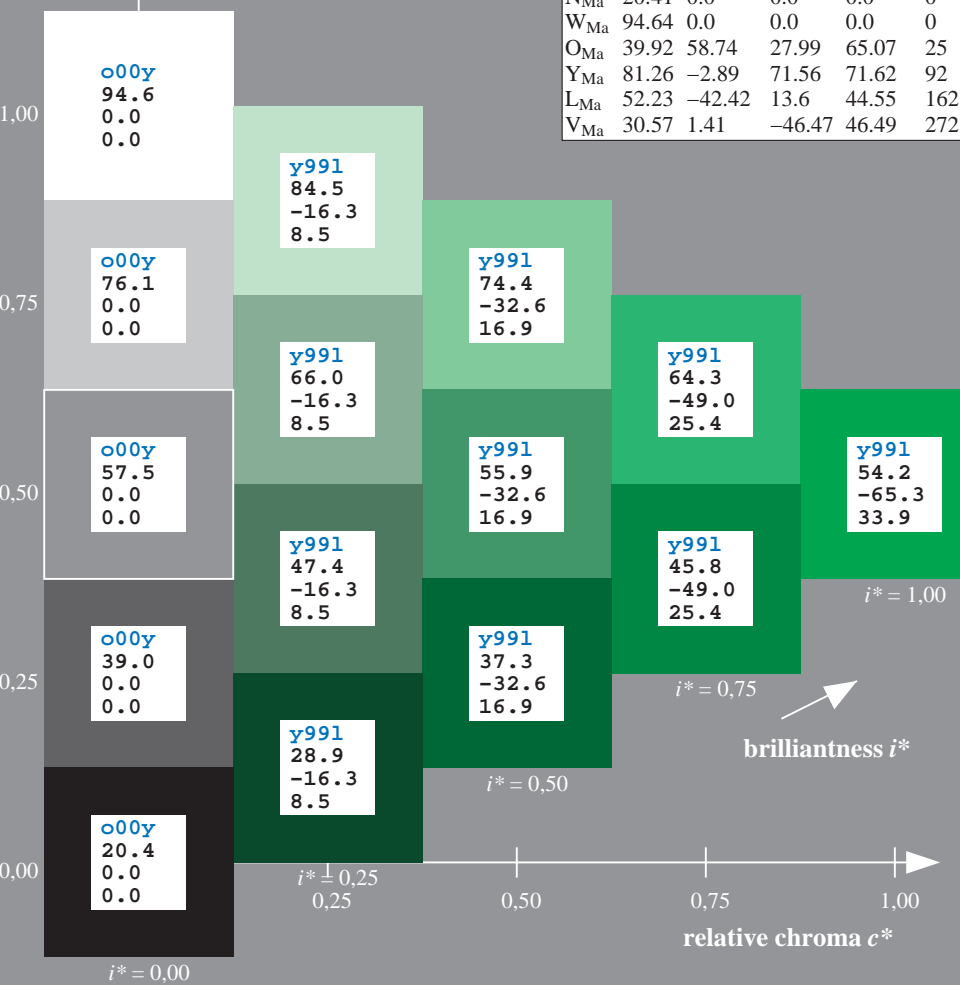
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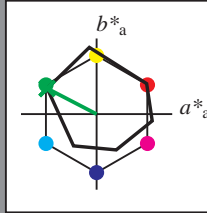


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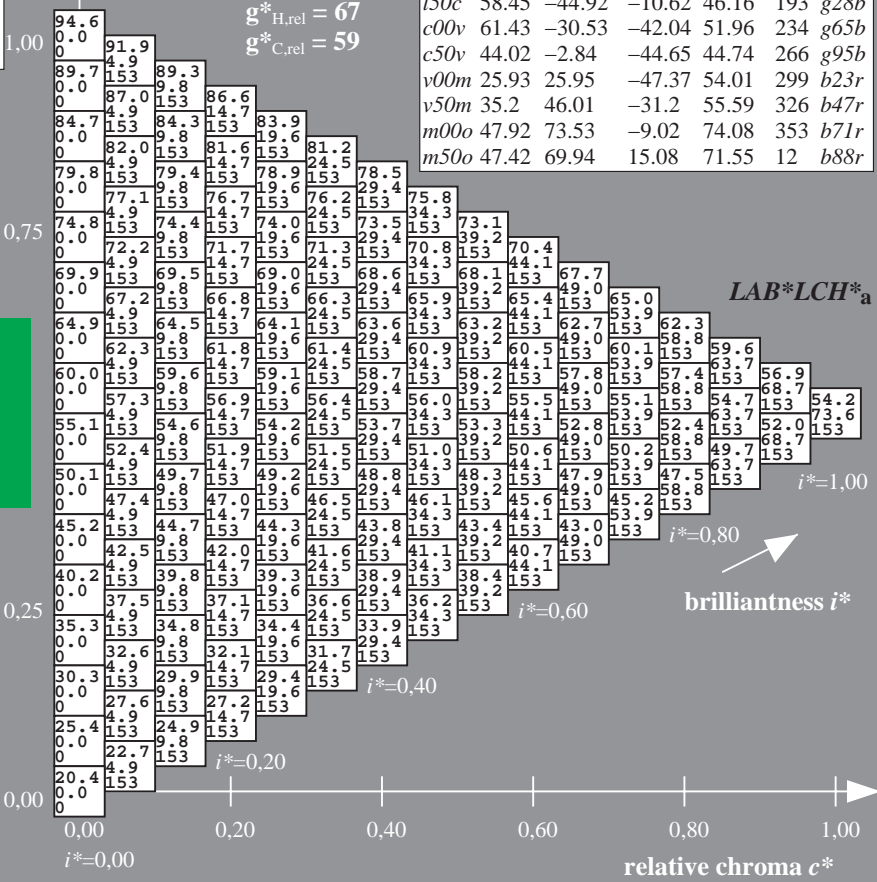
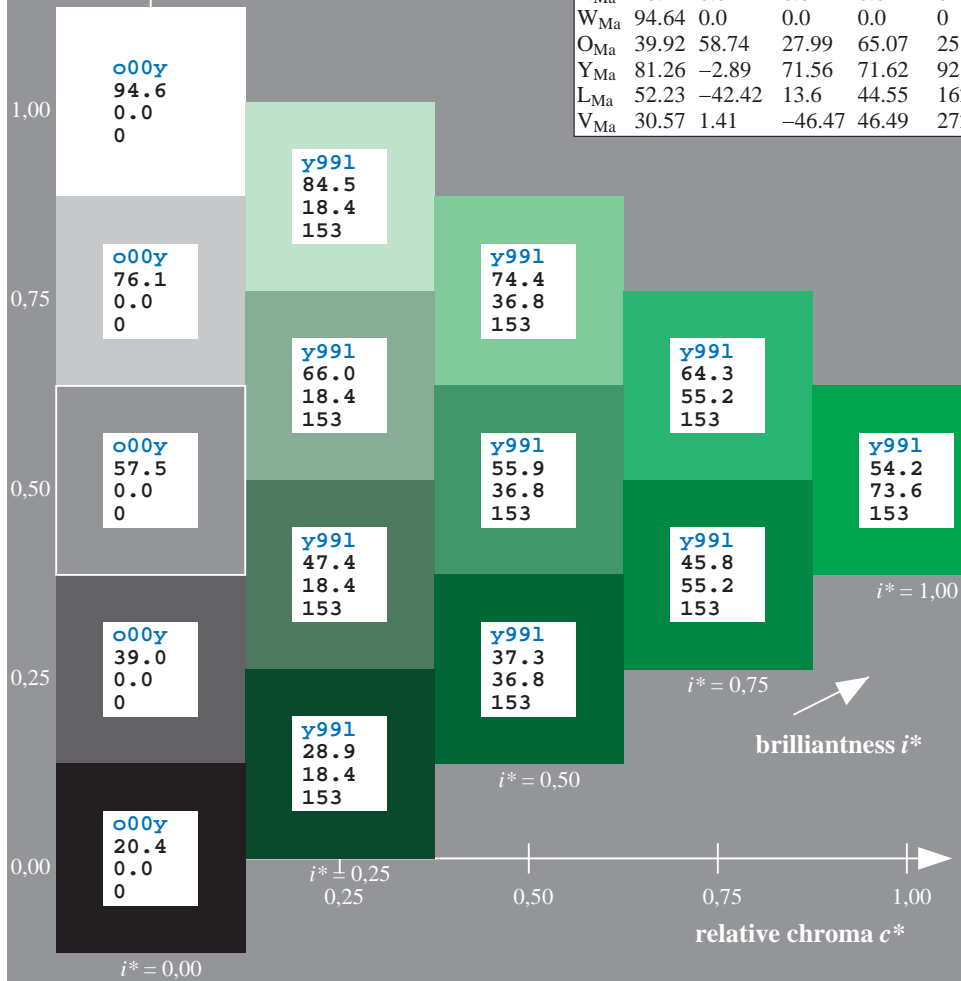
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triangle lightness t^*

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u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	46.89	66.19	40.28	77.48	31	r09j	
o25y	57.13	47.6	52.04	70.52	48	r33j	
o50y	66.36	30.85	62.62	69.81	64	r57j	
o75y	76.18	13.03	73.89	75.03	80	r81j	
y00l	88.66	-9.62	88.21	88.73	96	j06g	
y25l	78.19	-26.54	71.69	76.45	110	j25g	
y50l	69.83	-40.06	58.5	70.9	124	j45g	
y75l	62.17	-52.44	46.41	70.03	138	j65g	
l00c	54.22	-65.29	33.87	73.56	153	j85g	
l50c	58.45	-44.92	-10.62	46.16	193	g28b	
c00v	61.43	-30.53	-42.04	51.96	234	g65b	
c50v	44.02	-2.84	-44.65	44.74	266	g95b	
v00m	25.93	25.95	-47.37	54.01	299	b23r	
v50m	35.2	46.01	-31.2	55.59	326	b47r	
m00o	47.92	73.53	-9.02	74.08	353	b71r	
m50o	47.42	69.94	15.08	71.55	12	b88r	

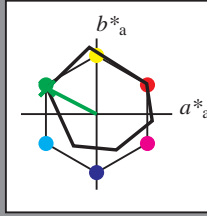
%Gamut
 $u^*_{rel} = 87$
 %Regularity
 $g^*_{H,rel} = 67$
 $g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95, $L^*=20_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$
 data for any colour:

$u^*_d = 100c$
 lab^*tch^*

lab^*tch^* and lab^*icu^*
 Hue texts:
 $u^*_d = 100c$ $u^*_e = j85g$
 contrast reduction factor:
 $c_R = 1.0$
 triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data					
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	46.89	66.19	40.28	77.48	31
Y _{Ma}	88.66	-9.62	88.21	88.73	96
L _{Ma}	54.22	-65.29	33.87	73.56	153
C _{Ma}	61.43	-30.53	-42.04	51.96	234
V _{Ma}	25.93	25.95	-47.37	54.01	299
M _{Ma}	47.92	73.53	-9.02	74.08	353
N _{Ma}	20.41	0.0	0.0	0.0	0
W _{Ma}	94.64	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}: 54 -65 34$

$LAB^*LCH^*_{Ma}: 54 74 152$

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

$lab^*rgb^*_{Ma}: 0.14 1.0 0.0$

triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	46.89	66.19	40.28	77.48	31	r09j	
o25y	57.13	47.6	52.04	70.52	48	r33j	
o50y	66.36	30.85	62.62	69.81	64	r57j	
o75y	76.18	13.03	73.89	75.03	80	r81j	
y00l	88.66	-9.62	88.21	88.73	96	j06g	
y25l	78.19	-26.54	71.69	76.45	110	j25g	
y50l	69.83	-40.06	58.5	70.9	124	j45g	
y75l	62.17	-52.44	46.41	70.03	138	j65g	
l00c	54.22	-65.29	33.87	73.56	153	j85g	
l50c	58.45	-44.92	-10.62	46.16	193	g28b	
c00v	61.43	-30.53	-42.04	51.96	234	g65b	
c50v	44.02	-2.84	-44.65	44.74	266	g95b	
v00m	25.93	25.95	-47.37	54.01	299	b23r	
v50m	35.2	46.01	-31.2	55.59	329	b47r	
m00o	47.92	73.53	-9.02	74.08	353	b71r	
m50o	47.42	69.94	15.08	71.55	12	b88r	

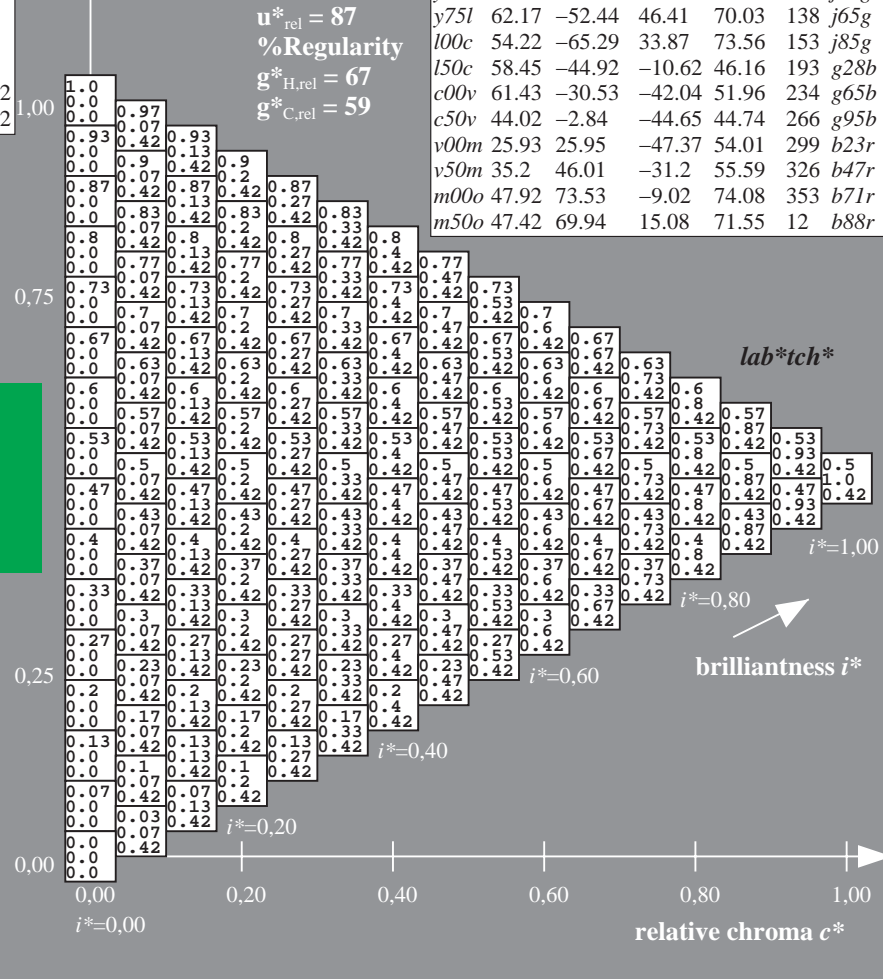
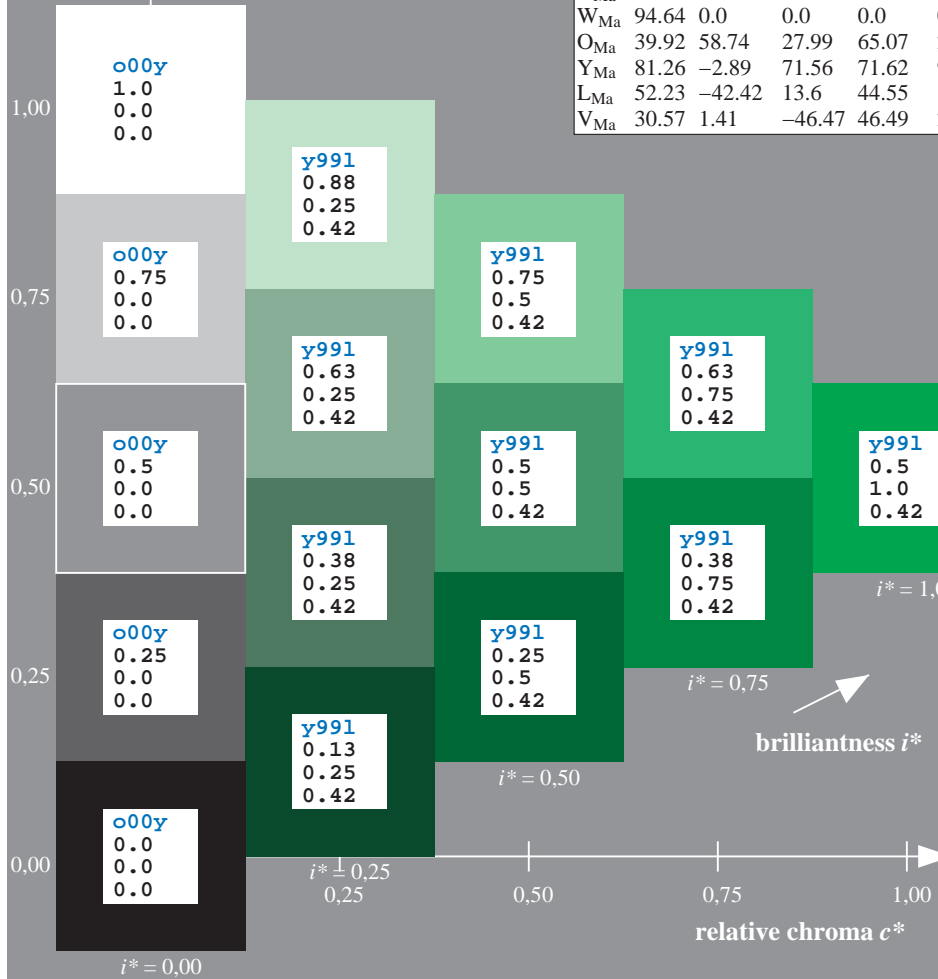
%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

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



lab^*tch^*

$i^*=1.00$

$i^*=0.80$

brilliantness i^*

$i^*=0.60$

$i^*=0.40$

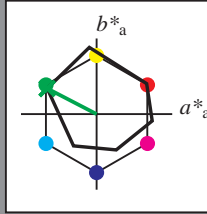
$i^*=0.20$

$i^*=0.00$

Input and output: Colorimetric Printer Reflective System ORS20_95, $L^*=20_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$
 data for any colour:

$u^*_d = 100c$
 $lab^*icu^*_e$

lab^*tch^* and lab^*icu^*
 Hue texts:
 $u^*_d = 100c$ $u^*_e = j85g$
 contrast reduction factor:
 $c_R = 1.0$
 triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data					
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	46.89	66.19	40.28	77.48	31
Y _{Ma}	88.66	-9.62	88.21	88.73	96
L _{Ma}	54.22	-65.29	33.87	73.56	153
C _{Ma}	61.43	-30.53	-42.04	51.96	234
V _{Ma}	25.93	25.95	-47.37	54.01	299
M _{Ma}	47.92	73.53	-9.02	74.08	353
N _{Ma}	20.41	0.0	0.0	0.0	0
W _{Ma}	94.64	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma: 54 -65 34$

$LAB^*LCH^*_Ma: 54 74 152$

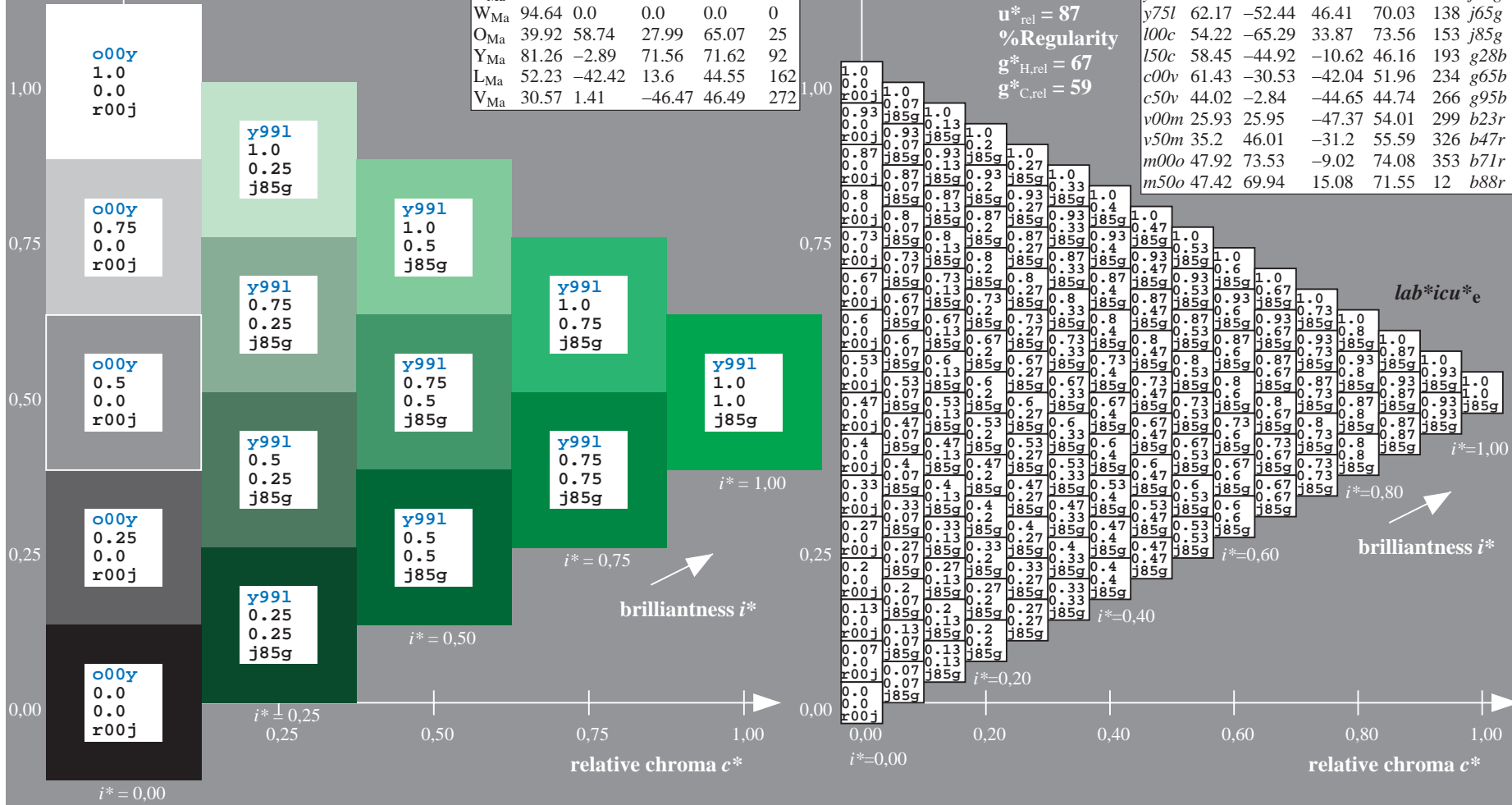
$lab^*olv^*_Ma: 0.0 1.0 0.0$

$lab^*rgb^*_Ma: 0.14 1.0 0.0$

triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	46.89	66.19	40.28	77.48	31	<i>r09j</i>	
<i>o25y</i>	57.13	47.6	52.04	70.52	48	<i>r33j</i>	
<i>o50y</i>	66.36	30.85	62.62	69.81	64	<i>r57j</i>	
<i>o75y</i>	76.18	13.03	73.89	75.03	80	<i>r81j</i>	
<i>y00l</i>	88.66	-9.62	88.21	88.73	96	<i>j06g</i>	
<i>y25l</i>	78.19	-26.54	71.69	76.45	110	<i>j25g</i>	
<i>y50l</i>	69.83	-40.06	58.5	70.9	124	<i>j45g</i>	
<i>y75l</i>	62.17	-52.44	46.41	70.03	138	<i>j65g</i>	
<i>l00c</i>	54.22	-65.29	33.87	73.56	153	<i>j85g</i>	
<i>l50c</i>	58.45	-44.92	-10.62	46.16	193	<i>g28b</i>	
<i>c00v</i>	61.43	-30.53	-42.04	51.96	234	<i>g65b</i>	
<i>c50v</i>	44.02	-2.84	-44.65	44.74	266	<i>g95b</i>	
<i>v00m</i>	25.93	25.95	-47.37	54.01	299	<i>b23r</i>	
<i>v50m</i>	35.2	46.01	-31.2	55.59	326	<i>b47r</i>	
<i>m00o</i>	47.92	73.53	-9.02	74.08	353	<i>b71r</i>	
<i>m50o</i>	47.42	69.94	15.08	71.55	12	<i>b88r</i>	

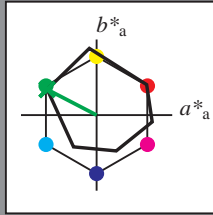
%Gamut
 $u^*_{rel} = 87$
 %Regularity
 $g^*_{H,rel} = 67$
 $g^*_{C,rel} = 59$



Input and output: Colorimetric Printer Reflective System ORS20_95, $L^*=20_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$
 data for any colour:

$u^*_d = 100c$
 LAB^*LAB^*

lab^*tch^* and lab^*icu^*
 Hue texts:
 $u^*_d = 100c$ $u^*_e = j85g$
 contrast reduction factor:
 $c_R = 1.0$
 triangle lightness t^*



ORS20_95; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	46.89	66.08	41.48	78.02	32	
Y _M	88.66	-10.34	90.28	90.87	97	
L _M	54.22	-65.51	35.22	74.38	152	
C _M	61.43	-30.85	-40.54	50.94	233	
V _M	25.93	26.15	-46.61	53.44	299	
M _M	47.92	73.41	-7.8	73.82	354	
N _M	20.41	0.28	0.64	0.7	66	
W _M	94.64	-0.81	2.2	2.34	110	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}: 54 -65 34$

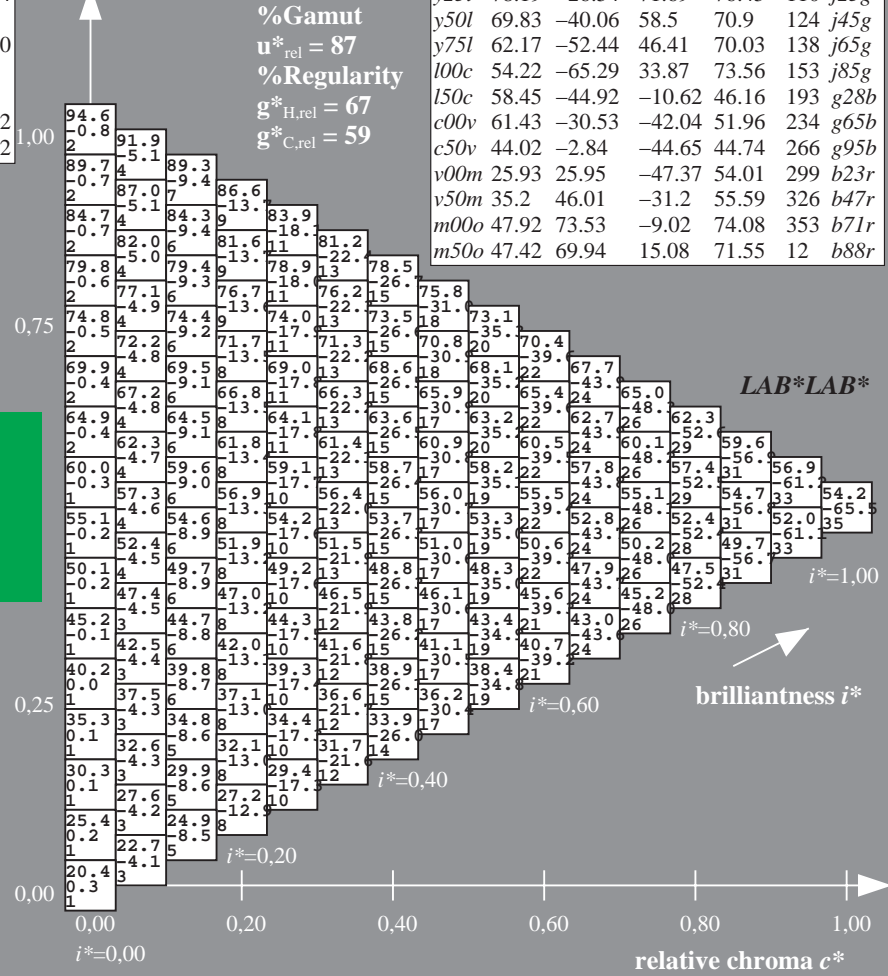
$LAB^*LCH^*_{Ma}: 54 74 152$

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

$lab^*rg_b^*_{Ma}: 0.14 1.0 0.0$

triangle lightness t^*

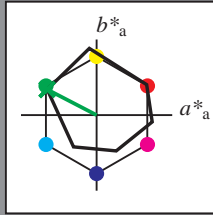
ORS20_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	46.89	66.19	40.28	77.48	31	r09j	
o25y	57.13	47.6	52.04	70.52	48	r33j	
o50y	66.36	30.85	62.62	69.81	64	r57j	
o75y	76.18	13.03	73.89	75.03	80	r81j	
y00l	88.66	-9.62	88.21	88.73	96	j06g	
y25l	78.19	-26.54	71.69	76.45	110	j25g	
y50l	69.83	-40.06	58.5	70.9	124	j45g	
y75l	62.17	-52.44	46.41	70.03	138	j65g	
l00c	54.22	-65.29	33.87	73.56	153	l85g	
l50c	58.45	-44.92	-10.62	46.16	193	g28b	
c00v	61.43	-30.53	-42.04	51.96	234	g65b	
c50v	44.02	-2.84	-44.65	44.74	266	g95b	
v00m	25.93	25.95	-47.37	54.01	299	b23r	
v50m	35.2	46.01	-31.2	55.59	326	b47r	
m00o	47.92	73.53	-9.02	74.08	353	b71r	
m50o	47.42	69.94	15.08	71.55	12	b88r	



Input and output: Colorimetric Printer Reflective System ORS20_95, $L^*=20_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.424$
 data for any colour:

$u^*_d = 100c$
 LAB^*cmy^n *

lab^*ch^* and lab^*icu^*
 Hue texts:
 $u^*_d = 100c$ $u^*_e = j85g$
 contrast reduction factor:
 $c_R = 1.0$
 triangle lightness t^*



ORS20_95a; CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}	
O _M	46.89	66.08	41.48	78.02	32	
Y _M	88.66	-10.34	90.28	90.87	97	
L _M	54.22	-65.51	35.22	74.38	152	
C _M	61.43	-30.85	-40.54	50.94	233	
V _M	25.93	26.15	-46.61	53.44	299	
M _M	47.92	73.41	-7.8	73.82	354	
N _M	20.41	0.28	0.64	0.7	66	
W _M	94.64	-0.81	2.2	2.34	110	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}: 54 -65 34$

$LAB^*LCH^*_{Ma}: 54 74 152$

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

$lab^*rgb^*_{Ma}: 0.14 1.0 0.0$

triangle lightness t^*

%Gamut

$u^*_{rel} = 87$

%Regularity

$g^*_{H,rel} = 67$

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

ORS20_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	46.89	66.19	40.28	77.48	31	r09j
o25y	57.13	47.6	52.04	70.52	48	r33j
o50y	66.36	30.85	62.62	69.81	64	r57j
o75y	76.18	13.03	73.89	75.03	80	r81j
y00l	88.66	-9.62	88.21	88.73	96	j06g
y25l	78.19	-26.54	71.69	76.45	110	j25g
y50l	69.83	-40.06	58.5	70.9	124	j45g
y75l	62.17	-52.44	46.41	70.03	138	j65g
l00c	54.22	-65.29	33.87	73.56	153	j85g
l50c	58.45	-44.92	-10.62	46.16	193	g28b
c00v	61.43	-30.53	-42.04	51.96	234	g65b
c50v	44.02	-2.84	-44.65	44.74	266	g95b
v00m	25.93	25.95	-47.37	54.01	299	b23r
v50m	35.2	46.01	-31.2	55.59	326	b47r
m00o	47.92	73.53	-9.02	74.08	353	b71r
m50o	47.42	69.94	15.08	71.55	12	b88r

