

Input and output: Colorimetric Printer Reflective System ORS20_95, $L^*=20_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

$u^*_e = r00j$

data for any colour:

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

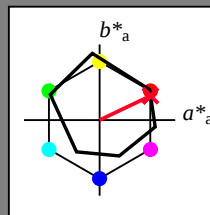
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	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	
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):

$LAB^*LAB^*_{Ma}$: 47 67 32

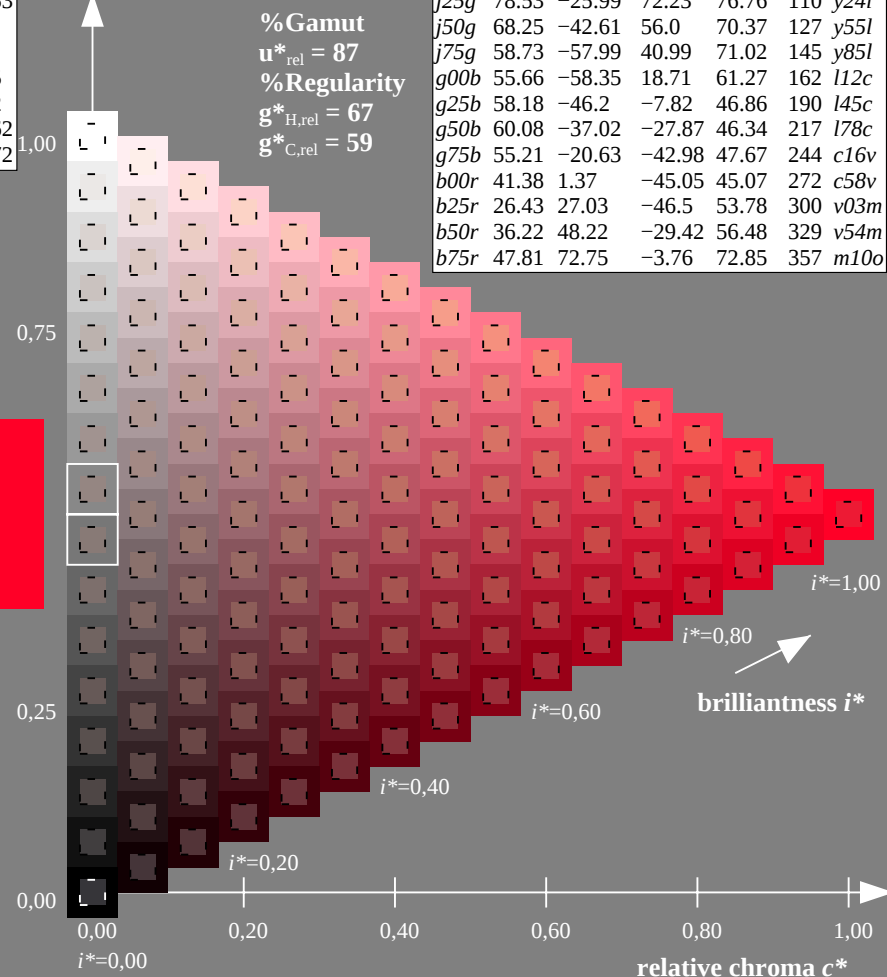
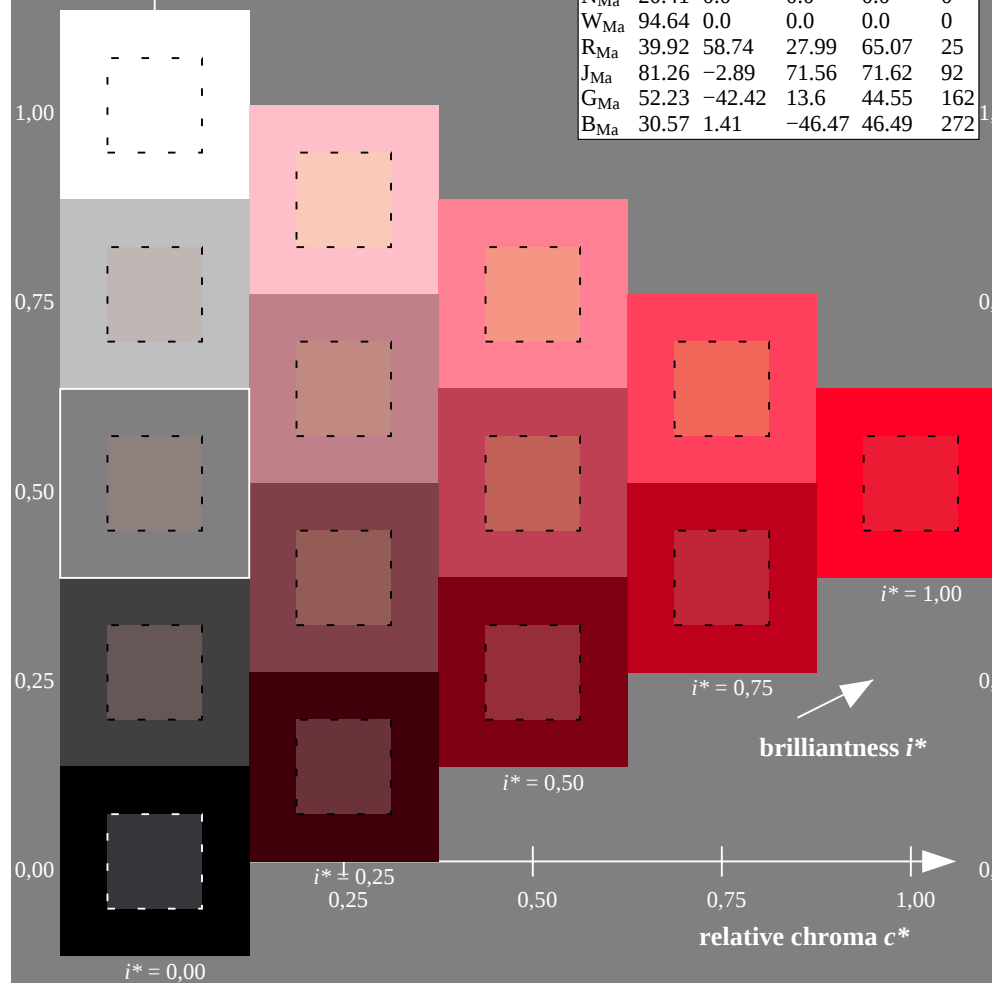
$LAB^*LCH^*_{Ma}$: 47 75 25

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.15

triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	47.06	67.41	32.12	74.67	25	m84o	
r25j	53.95	53.38	48.38	72.04	42	o17y	
r50j	63.6	35.87	59.45	69.43	59	o42y	
r75j	73.37	18.14	70.66	72.95	76	o68y	
j00g	85.24	-3.4	84.28	84.35	92	o93y	
j25g	78.53	-25.99	72.23	76.76	110	y24l	
j50g	68.25	-42.61	56.0	70.37	127	y55l	
j75g	58.73	-57.99	40.99	71.02	145	y85l	
g00b	55.66	-58.35	18.71	61.27	162	l12c	
g25b	58.18	-46.2	-7.82	46.86	190	l45c	
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g75b	55.21	-20.63	-42.98	47.67	244	c16v	
b00r	41.38	1.37	-45.05	45.07	272	c58v	
b25r	26.43	27.03	-46.5	53.78	300	v03m	
b50r	36.22	48.22	-29.42	56.48	329	v54m	
b75r	47.81	72.75	-3.76	72.85	357	m10o	



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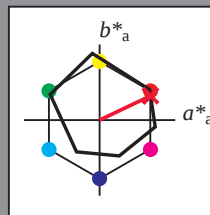
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triangle lightness t^*



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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	
R _{Ma}	39.92	58.74	27.99	65.07	25	
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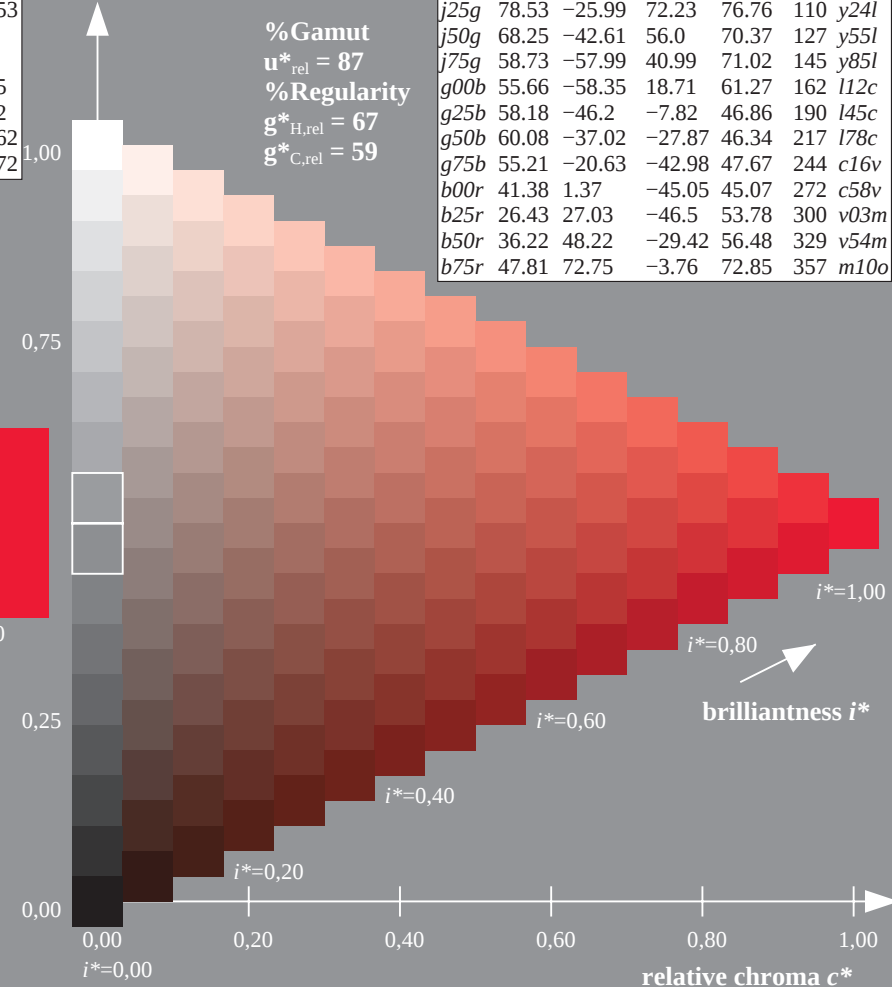
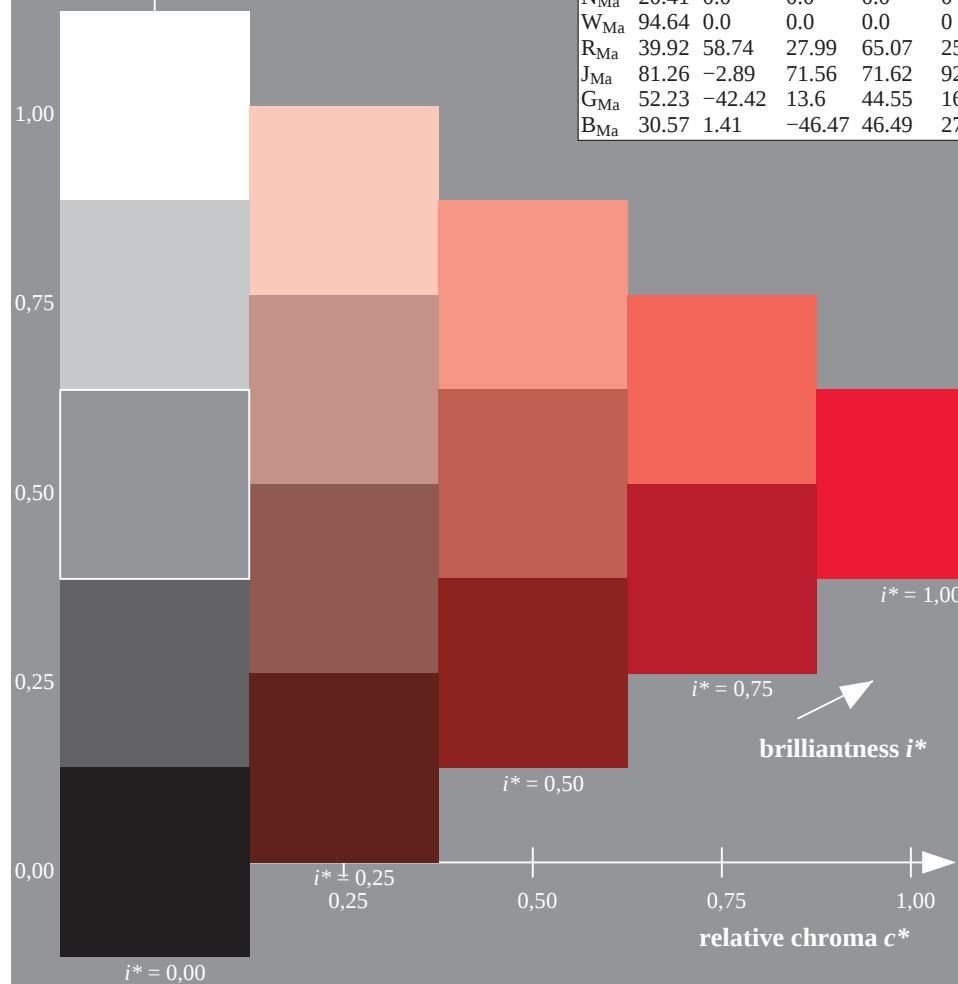
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r50j	63.6	35.87	59.45	69.43	59	o42y	
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j00g	85.24	-3.4	84.28	84.35	92	o93y	
j25g	78.53	-25.99	72.23	76.76	110	y24l	
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g00b	55.66	-58.35	18.71	61.27	162	l12c	
g25b	58.18	-46.2	-7.82	46.86	190	l45c	
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b25r	26.43	27.03	-46.5	53.78	300	v03m	
b50r	36.22	48.22	-29.42	56.48	329	v54m	
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$$u_e^* = r00j$$

lab*olv*

LAB data

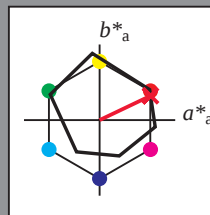
$$h^*_{ab,a}$$

74.67 25 1

72.04	42	c
59.42	59	

59.43	59	6
72.95	76	4

72.95	70	0
34.35	92	0



ORS20_95a; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
Q _{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	
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lab*olv*

LAB data

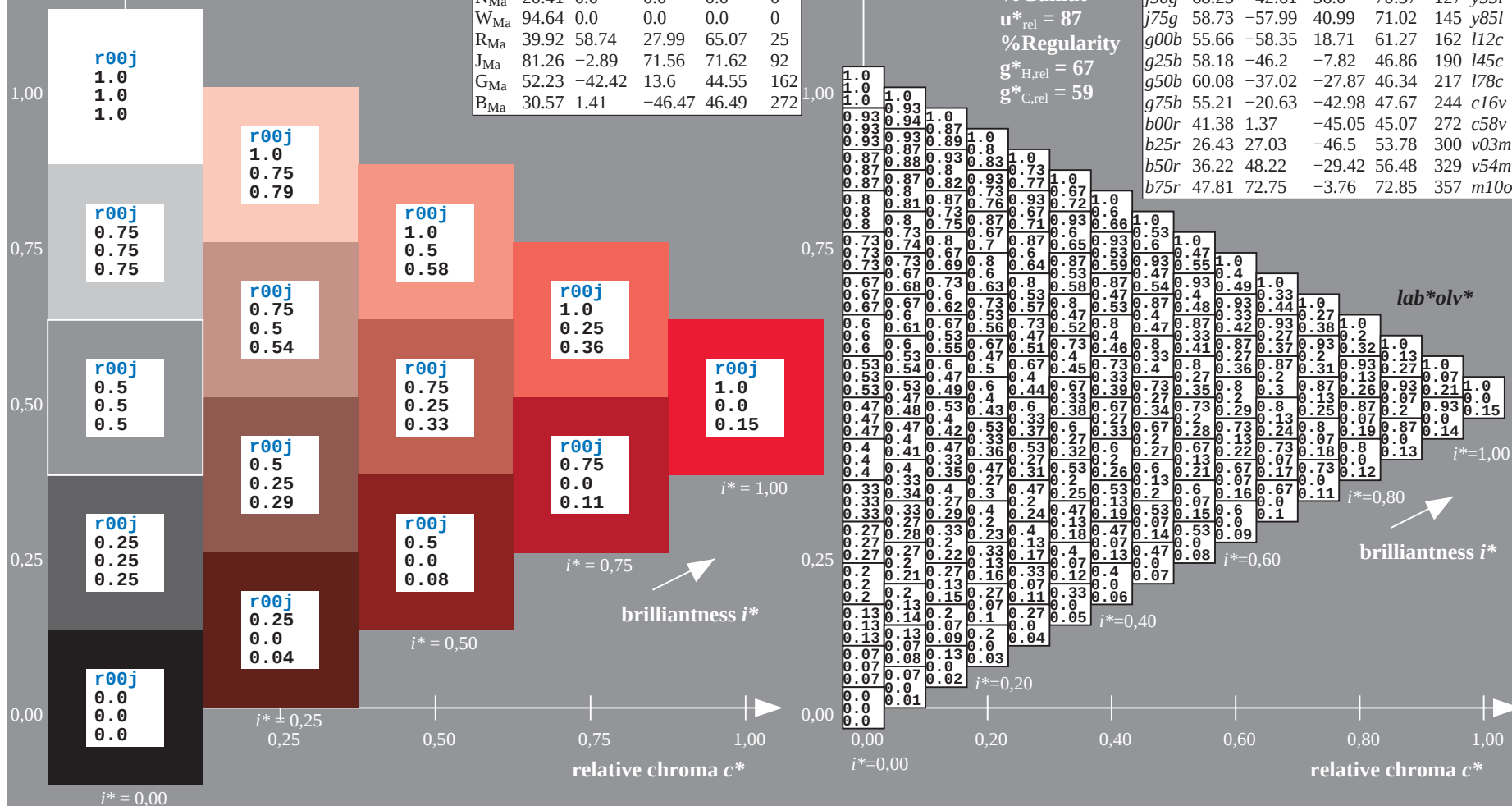
ν	$\alpha_{ab,a}$	η	$\alpha_{ab,a}$
74	67	25	

72.04	42	c
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59.43	59	6
72.05	76	0

2.35	70	c
34.35	92	c

ORS20_95a; adapted (a) CIELAB data							
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*	
<i>r00j</i>	47.06	67.41	32.12	74.67	25	<i>m84c</i>	
<i>r25j</i>	53.95	53.38	48.38	72.04	42	<i>o17y</i>	
<i>r50j</i>	63.6	35.87	59.45	69.43	59	<i>o42y</i>	
<i>r75j</i>	73.37	18.14	70.66	72.95	76	<i>o68y</i>	
<i>j00g</i>	85.24	-3.4	84.28	84.35	92	<i>o93y</i>	
<i>j25g</i>	78.53	-25.99	72.23	76.76	110	<i>y24l</i>	
<i>j50g</i>	68.25	-42.61	56.0	70.37	127	<i>y55l</i>	
<i>j75g</i>	58.73	-57.99	40.99	71.02	145	<i>y85l</i>	
<i>g00b</i>	55.66	-58.35	18.71	61.27	162	<i>l12c</i>	
<i>g25b</i>	58.18	-46.2	-7.82	46.86	190	<i>l45c</i>	
<i>g50b</i>	60.08	-37.02	-27.87	46.34	217	<i>l78c</i>	
<i>g75b</i>	55.21	-20.63	-42.98	47.67	244	<i>c16v</i>	
<i>b00r</i>	41.38	1.37	-45.05	45.07	272	<i>c58v</i>	
<i>b25r</i>	26.43	27.03	-46.5	53.78	300	<i>v03m</i>	
<i>b50r</i>	36.22	48.22	-29.42	56.48	329	<i>v54m</i>	
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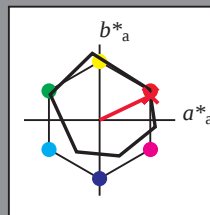
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triangle lightness t^*



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$LAB^*LCH^*_{Ma}$: 47 75 25

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triangle lightness t^*

% Gamut

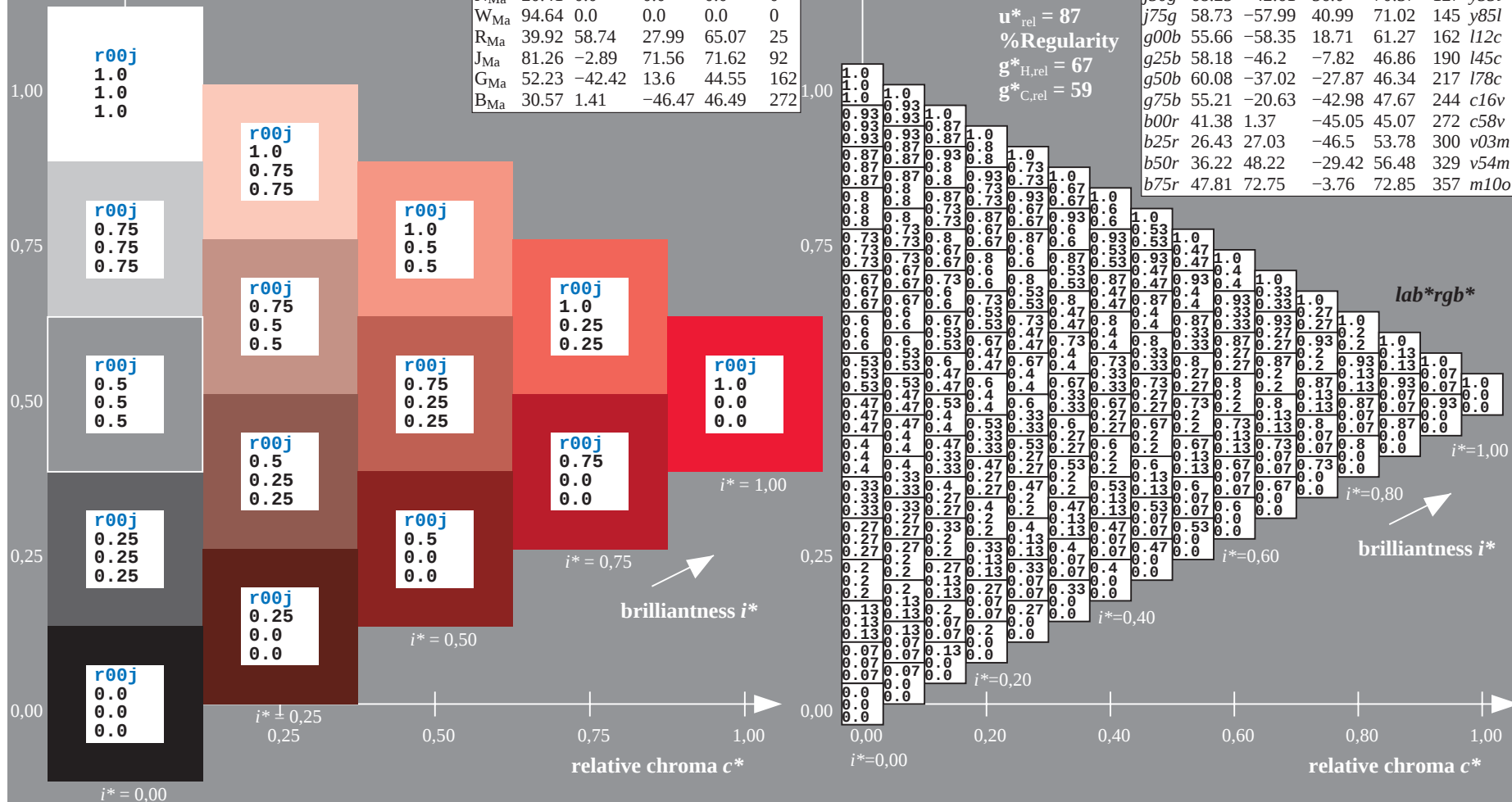
$u^*_{rel} = 87$

% Regularity

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

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

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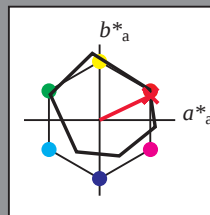
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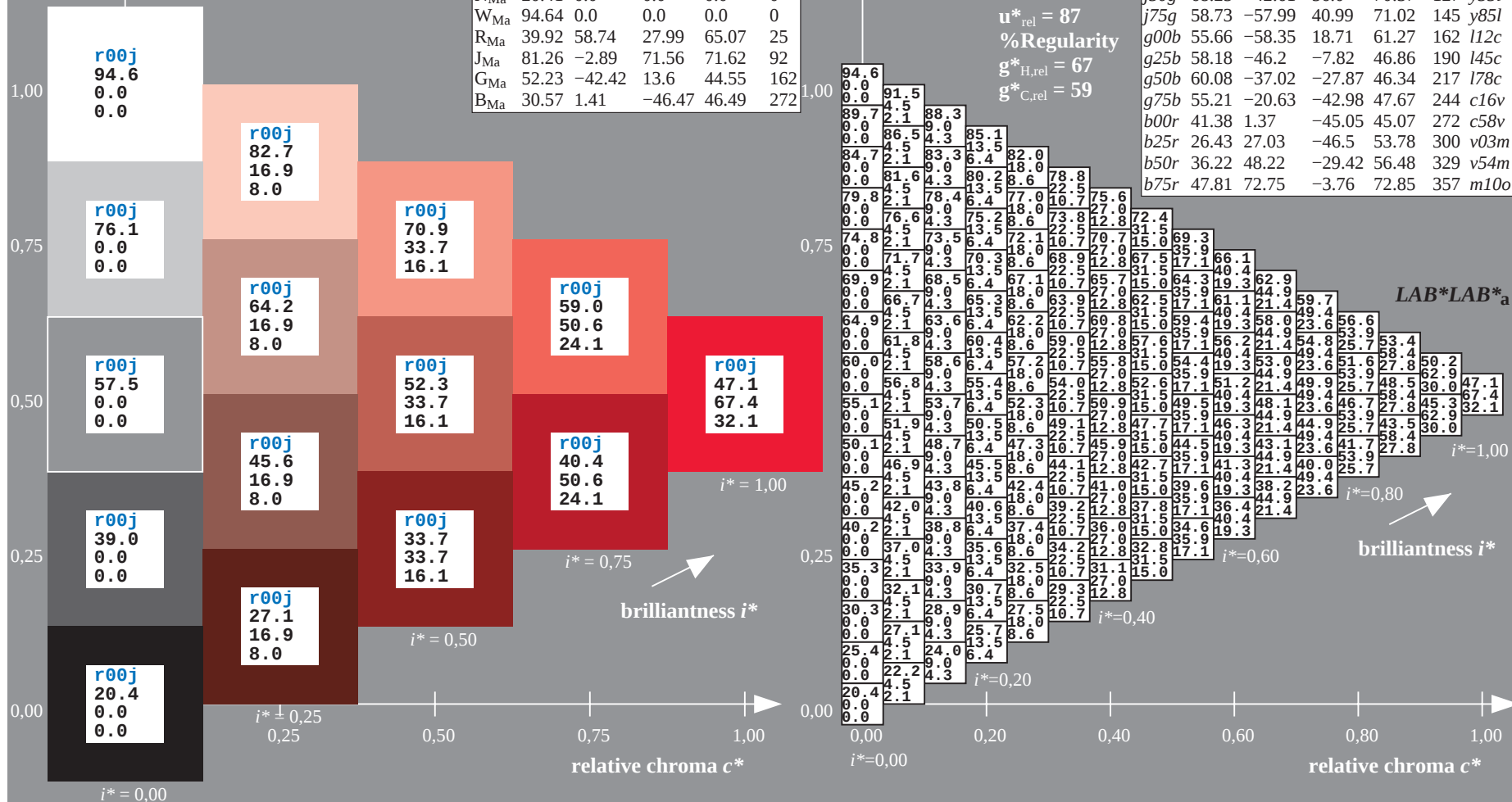
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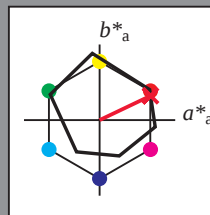
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triangle lightness t^*

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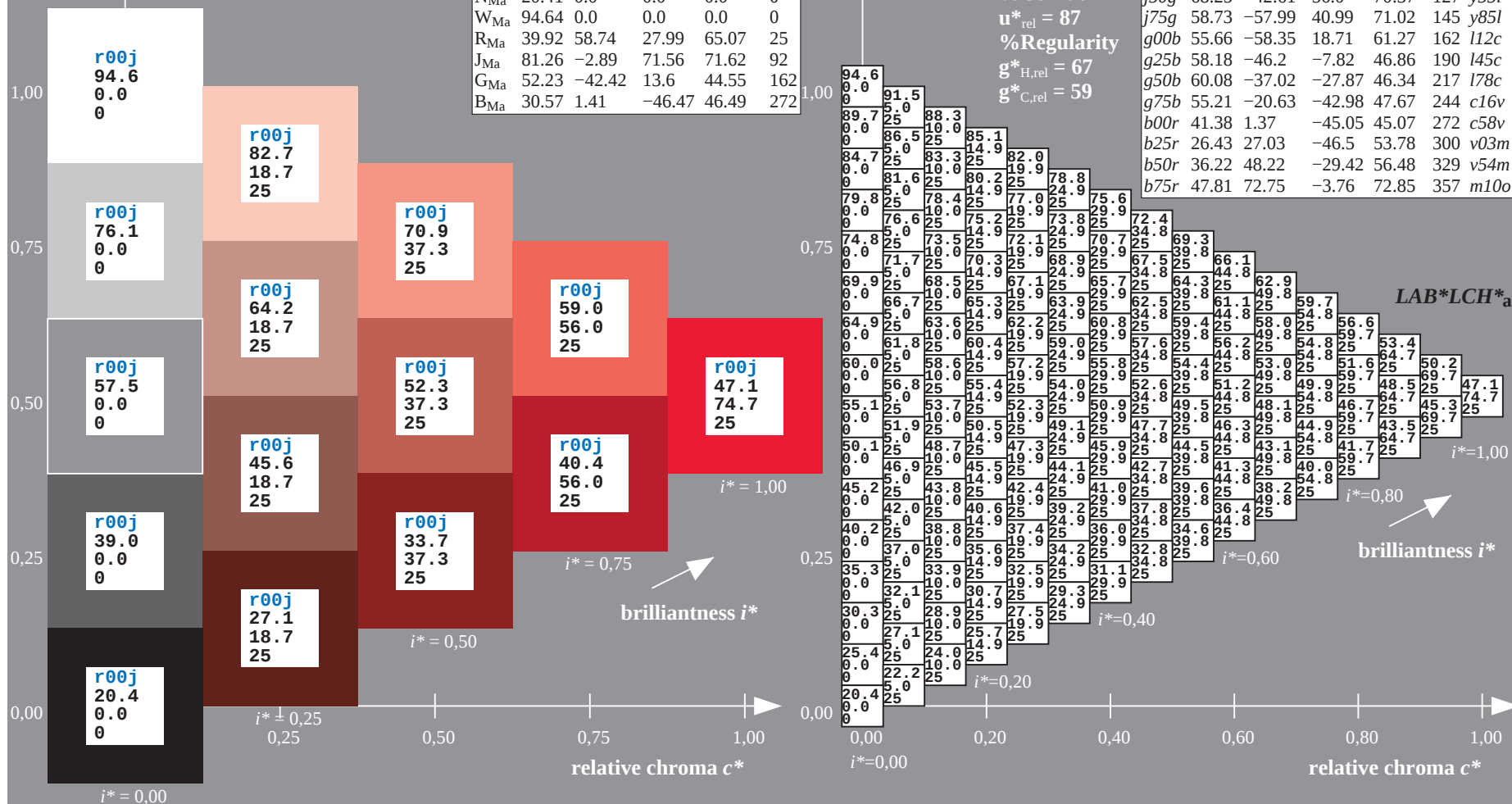
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data for any colour:

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

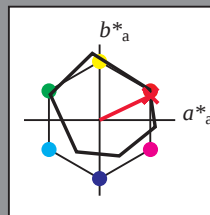
Hue texts:

$u_e^* = r00j$ $u_d^* = m84o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	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	
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):

$LAB^*LAB^*_{Ma}$: 47 67 32

$LAB^*LCH^*_{Ma}$: 47 75 25

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.15

triangle lightness t^*

% Gamut

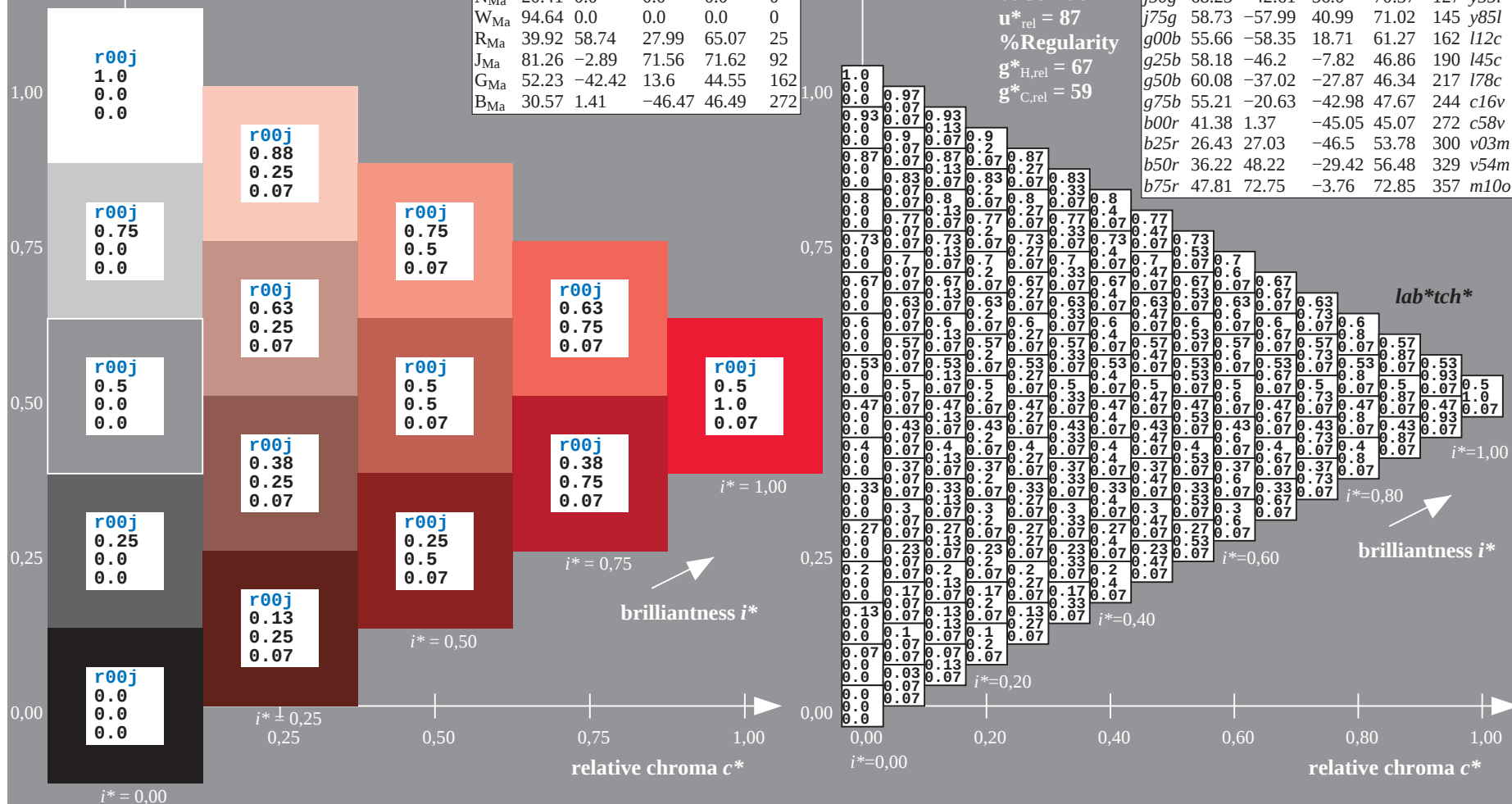
$u_{rel}^* = 87$

% Regularity

$g_{H,rel}^* = 67$

$g_{C,rel}^* = 59$

ORS20_95a; adapted (a) CIELAB data							
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*	
r00j	47.06	67.41	32.12	74.67	25	m84o	
r25j	53.95	53.38	48.38	72.04	42	o17y	
r50j	63.6	35.87	59.45	69.43	59	o42y	
r75j	73.37	18.14	70.66	72.95	76	o68y	
j00g	85.24	-3.4	84.28	84.35	92	o93y	
j25g	78.53	-25.99	72.23	76.76	110	y24l	
j50g	68.25	-42.61	56.0	70.37	127	y55l	
j75g	58.73	-57.99	40.99	71.02	145	y85l	
g00b	55.66	-58.35	18.71	61.27	162	l12c	
g25b	58.18	-46.2	-7.82	46.86	190	l45c	
g50b	60.08	-37.02	-27.87	46.34	217	l78c	
g75b	55.21	-20.63	-42.98	47.67	244	c16v	
b00r	41.38	1.37	-45.05	45.07	272	c58v	
b25r	26.43	27.03	-46.5	53.78	300	v03m	
b50r	36.22	48.22	-29.42	56.48	329	v54m	
b75r	47.81	72.75	-3.76	72.85	357	m10o	



Input and output: Colorimetric Printer Reflective System ORS20_95, $L^*=20_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

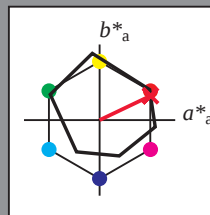
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	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	
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):

$LAB^*LAB^*_{Ma}$: 47 67 32

$LAB^*LCH^*_{Ma}$: 47 75 25

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.15

triangle lightness t^*

% Gamut

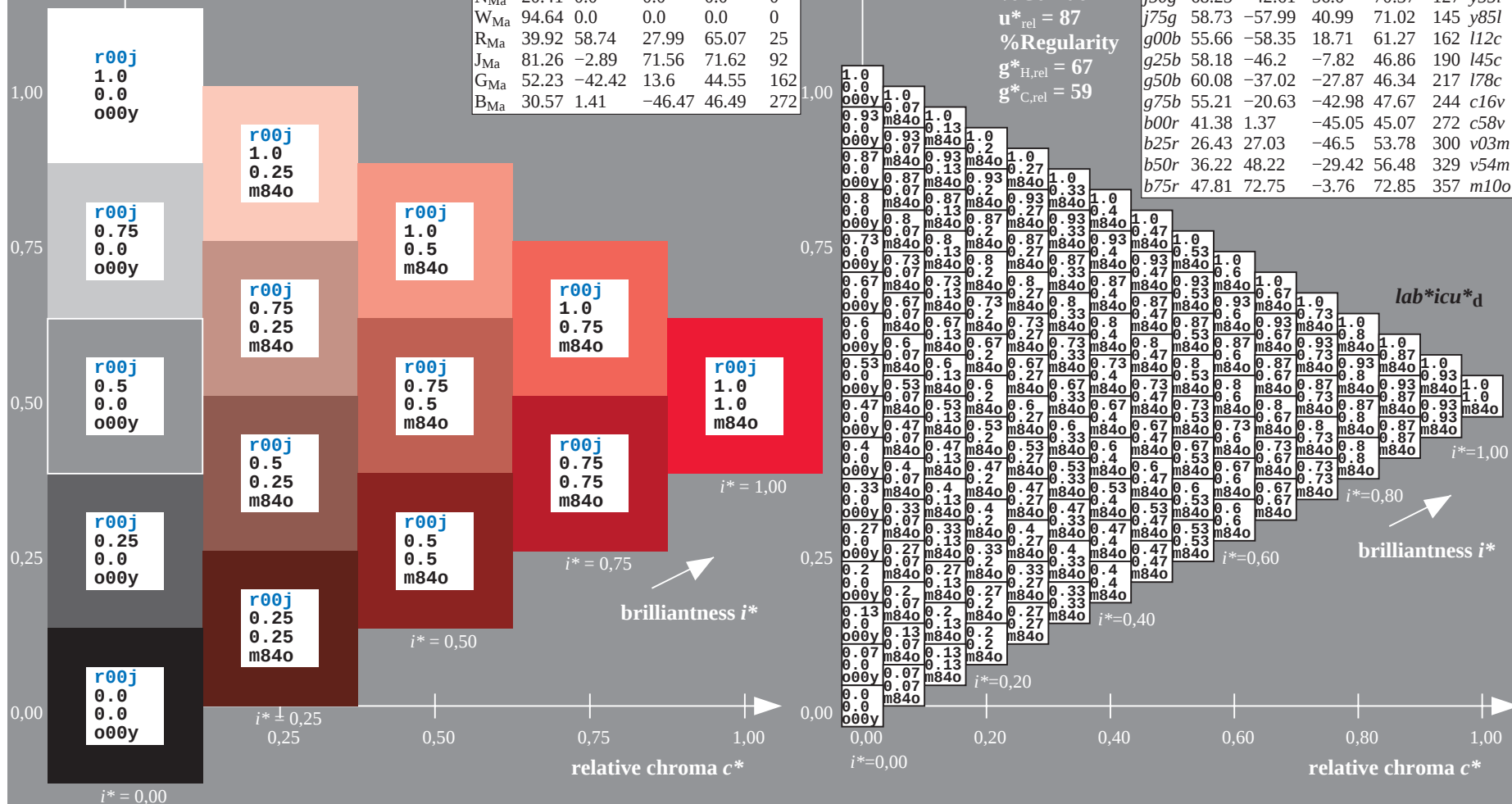
$u^*_{rel} = 87$

% Regularity

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

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

ORS20_95a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	47.06	67.41	32.12	74.67	25	m84o	
r25j	53.95	53.38	48.38	72.04	42	o17y	
r50j	63.6	35.87	59.45	69.43	59	o42y	
r75j	73.37	18.14	70.66	72.95	76	o68y	
j00g	85.24	-3.4	84.28	84.35	92	o93y	
j25g	78.53	-25.99	72.23	76.76	110	y24l	
j50g	68.25	-42.61	56.0	70.37	127	y55l	
j75g	58.73	-57.99	40.99	71.02	145	y85l	
g00b	55.66	-58.35	18.71	61.27	162	l12c	
g25b	58.18	-46.2	-7.82	46.86	190	l45c	
g50b	60.08	-37.02	-27.87	46.34	217	l78c	
g75b	55.21	-20.63	-42.98	47.67	244	c16v	
b00r	41.38	1.37	-45.05	45.07	272	c58v	
b25r	26.43	27.03	-46.5	53.78	300	v03m	
b50r	36.22	48.22	-29.42	56.48	329	v54m	
b75r	47.81	72.75	-3.76	72.85	357	m10o	



Input and output: Colorimetric Printer Reflective System ORS20_95, $L^*=20_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

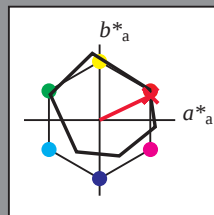
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95; CIELAB data						
u^*_e	$L^*=L^*$	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	
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):

$LAB^*LAB^*_{Ma}: 47\ 67\ 32$

$LAB^*LCH^*_{Ma}: 47\ 75\ 25$

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

$lab^*olv^*_{Ma}: 1.0\ 0.0\ 0.15$

triangle lightness t^*

% Gamut

$u^*_{rel} = 87$

% Regularity

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

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

ORS20_95a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
$r00j$	47.06	67.41	32.12	74.67	25	$m84o$	
$r25j$	53.95	53.38	48.38	72.04	42	$o17y$	
$r50j$	63.6	35.87	59.45	69.43	59	$o42y$	
$r75j$	73.37	18.14	70.66	72.95	76	$o68y$	
$j00g$	85.24	-3.4	84.28	84.35	92	$o93y$	
$j25g$	78.53	-25.99	72.23	76.76	110	$y24l$	
$j50g$	68.25	-42.61	56.0	70.37	127	$y55l$	
$j75g$	58.73	-57.99	40.99	71.02	145	$y85l$	
$g00b$	55.66	-58.35	18.71	61.27	162	$l12c$	
$g25b$	58.18	-46.2	-7.82	46.86	190	$l45c$	
$g50b$	60.08	-37.02	-27.87	46.34	217	$l78c$	
$g75b$	55.21	-20.63	-42.98	47.67	244	$c16v$	
$b00r$	41.38	1.37	-45.05	45.07	272	$c58v$	
$b25r$	26.43	27.03	-46.5	53.78	300	$v03m$	
$b50r$	36.22	48.22	-29.42	56.48	329	$v54m$	
$b75r$	47.81	72.75	-3.76	72.85	357	$m10o$	

LAB^*LAB^*

$i^*=1.00$

$i^*=0.80$

brilliantness i^*

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS20_95, $L^*=20_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

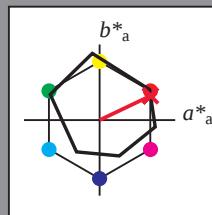
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	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
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):

$LAB^*LAB^*_{Ma}: 47\ 67\ 32$

$LAB^*LCH^*_{Ma}: 47\ 75\ 25$

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

$lab^*olv^*_{Ma}: 1.0\ 0.0\ 0.15$

triangle lightness t^*

% Gamut

$u^*_{rel} = 87$

% Regularity

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

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

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	47.06	67.41	32.12	74.67	25	$m84o$
$r25j$	53.95	53.38	48.38	72.04	42	$o17y$
$r50j$	63.6	35.87	59.45	69.43	59	$o42y$
$r75j$	73.37	18.14	70.66	72.95	76	$o68y$
$j00g$	85.24	-3.4	84.28	84.35	92	$o93y$
$j25g$	78.53	-25.99	72.23	76.76	110	$y24l$
$j50g$	68.25	-42.61	56.0	70.37	127	$y55l$
$j75g$	58.73	-57.99	40.99	71.02	145	$y85l$
$g00b$	55.66	-58.35	18.71	61.27	162	$l12c$
$g25b$	58.18	-46.2	-7.82	46.86	190	$l45c$
$g50b$	60.08	-37.02	-27.87	46.34	217	$l78c$
$g75b$	55.21	-20.63	-42.98	47.67	244	$c16v$
$b00r$	41.38	1.37	-45.05	45.07	272	$c58v$
$b25r$	26.43	27.03	-46.5	53.78	300	$v03m$
$b50r$	36.22	48.22	-29.42	56.48	329	$v54m$
$b75r$	47.81	72.75	-3.76	72.85	357	$m10o$

lab^*olv^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^*=0.00$

Input and output: Colorimetric Printer Reflective System ORS20_95, $L^*=20_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

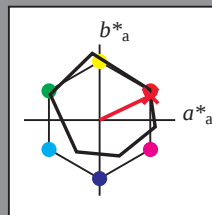
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS20_95a; CIELAB data

u^*_e	$L^*=L^*$	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
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):

$LAB^*LAB^*_{Ma}$: 47 67 32

$LAB^*LCH^*_{Ma}$: 47 75 25

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.15

triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	47.06	67.41	32.12	74.67	25	$m84o$
$r25j$	53.95	53.38	48.38	72.04	42	$o17y$
$r50j$	63.6	35.87	59.45	69.43	59	$o42y$
$r75j$	73.37	18.14	70.66	72.95	76	$o68y$
$j00g$	85.24	-3.4	84.28	84.35	92	$o93y$
$j25g$	78.53	-25.99	72.23	76.76	110	$y24l$
$j50g$	68.25	-42.61	56.0	70.37	127	$y55l$
$j75g$	58.73	-57.99	40.99	71.02	145	$y85l$
$g00b$	55.66	-58.35	18.71	61.27	162	$l12c$
$g25b$	58.18	-46.2	-7.82	46.86	190	$l45c$
$g50b$	60.08	-37.02	-27.87	46.34	217	$l78c$
$g75b$	55.21	-20.63	-42.98	47.67	244	$c16v$
$b00r$	41.38	1.37	-45.05	45.07	272	$c58v$
$b25r$	26.43	27.03	-46.5	53.78	300	$v03m$
$b50r$	36.22	48.22	-29.42	56.48	329	$v54m$
$b75r$	47.81	72.75	-3.76	72.85	357	$m10o$

$u^*_e = r00j$

LAB^*cmyn^*

LAB^*cmyn^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*