

$u^*_e = r00j$

BAM registration: 20081001-Fe51/10L/L51e00NA.TXT/.PS BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

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

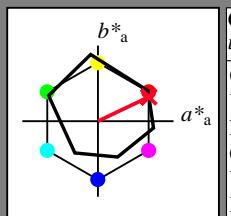
Hue texts:

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

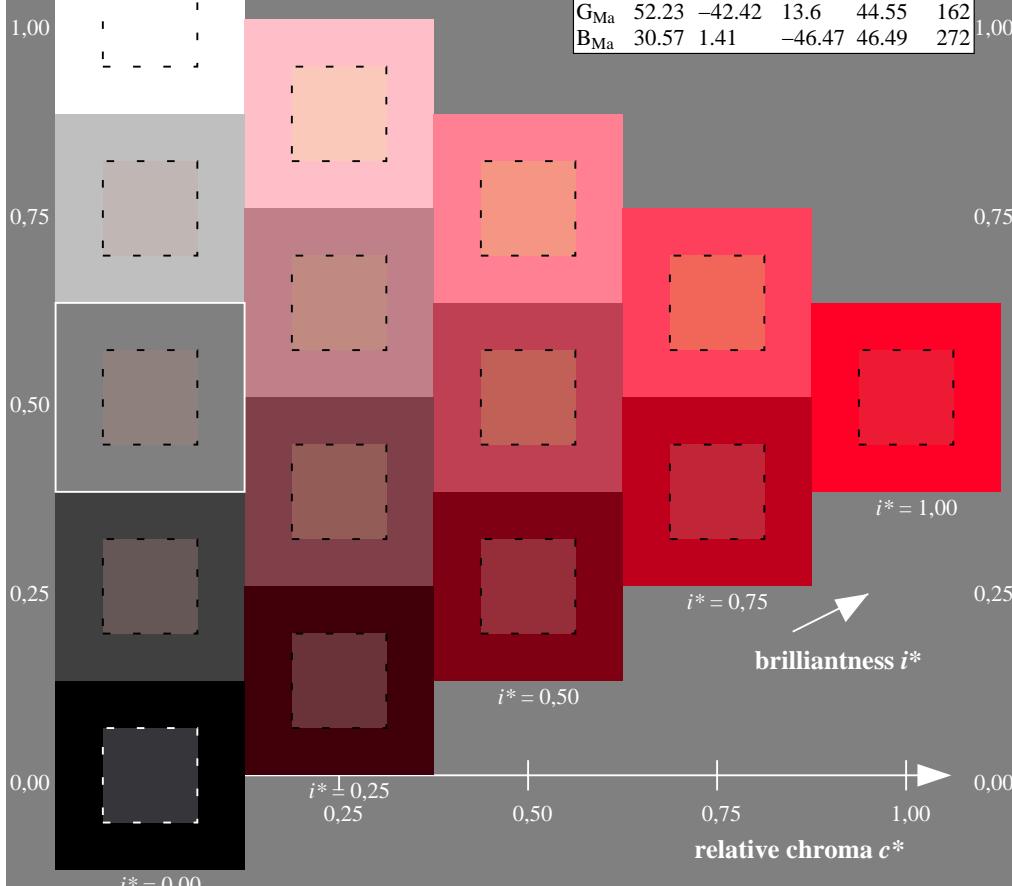
contrast reduction factor:

$c_R = 1.0$

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

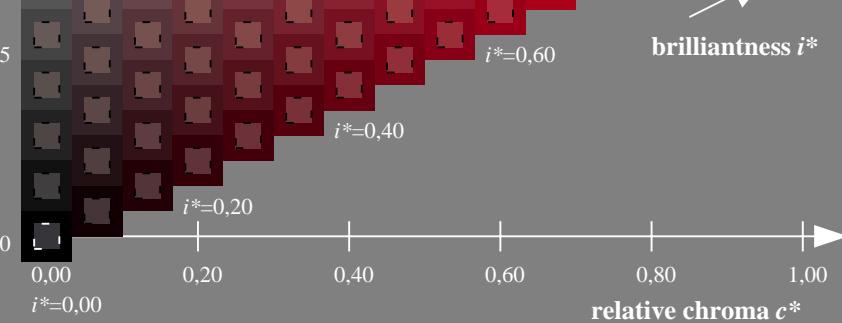
$u^*_{rel} = 87$

%Regularity

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

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

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

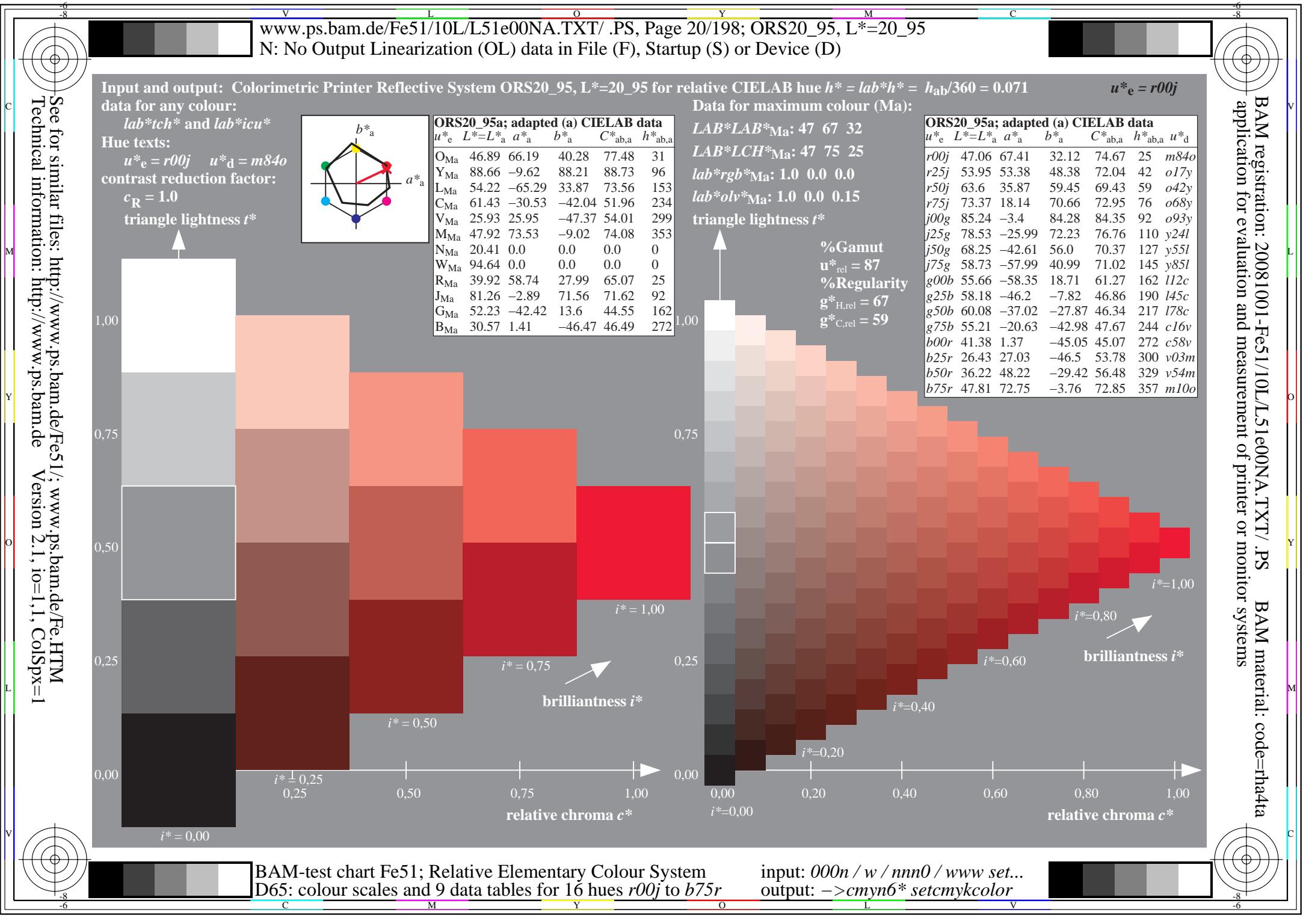


input: 000n / w / nnn0 / www set...
output: no change compared to input

See for similar files: http://www.ps.bam.de/Fe51/

Technical information: http://www.ps.bam.de

Version 2.1, io=11, ColSpx=1



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

$$u^*_e = r00j$$

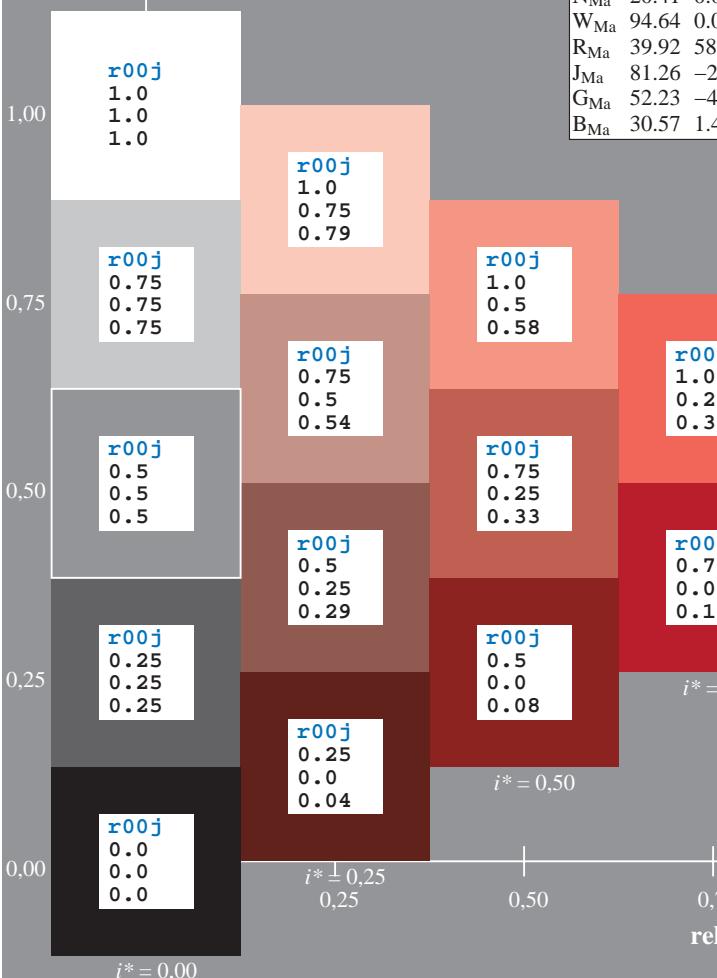
$$lab^*olv^*$$

Hue texts:
 lab^*tch^* and lab^*icu^*

contrast reduction factor:

$$c_R = 1.0$$

triangle lightness t^*



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

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

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

triangle lightness t^*

%Gamut

$$u^*_{rel} = 87$$

%Regularity

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

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

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triangle lightness t^*

%Gamut

$$u^*_{rel} = 87$$

%Regularity

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

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

triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data

$$u^*_e\ L^*=L^*_a\ a^*_a\ b^*_a\ C^*_{ab,a}\ h^*_{ab,a}$$

$$O_{Ma} \ 46.89\ 66.19\ 40.28\ 77.48\ 31$$

$$Y_{Ma} \ 88.66\ -9.62\ 88.21\ 88.73\ 96$$

$$L_{Ma} \ 54.22\ -65.29\ 33.87\ 73.56\ 153$$

$$C_{Ma} \ 61.43\ -30.53\ -42.04\ 51.96\ 234$$

$$V_{Ma} \ 25.93\ 25.95\ -47.37\ 54.01\ 299$$

$$M_{Ma} \ 47.92\ 73.53\ -9.02\ 74.08\ 353$$

$$N_{Ma} \ 20.41\ 0.0\ 0.0\ 0.0\ 0$$

$$W_{Ma} \ 94.64\ 0.0\ 0.0\ 0.0\ 0$$

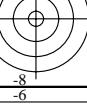
$$R_{Ma} \ 39.92\ 58.74\ 27.99\ 65.07\ 25$$

$$J_{Ma} \ 81.26\ -2.89\ 71.56\ 71.62\ 92$$

$$G_{Ma} \ 52.23\ -42.42\ 13.6\ 44.55\ 162$$

$$B_{Ma} \ 30.57\ 1.41\ -46.47\ 46.49\ 272$$

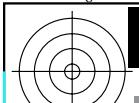
BAM registration: 20081001-Fe51/10L/L51e00NA.TXT/.PS BAM material: code=rha4ta
 application for evaluation and measurement of printer or monitor systems



BAM-test chart Fe51; Relative Elementary Colour System D65: colour scales and 9 data tables for 16 hues r00j to b75r

input: 000n / w / nnn0 / www set...

output: ->cmyn6* setcmykcolor



c

M

Y

L

V

C

C

M

Y

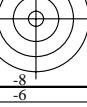
O

L

V

C

M



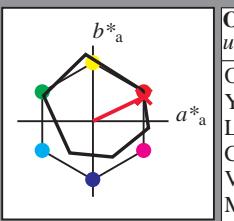
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

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

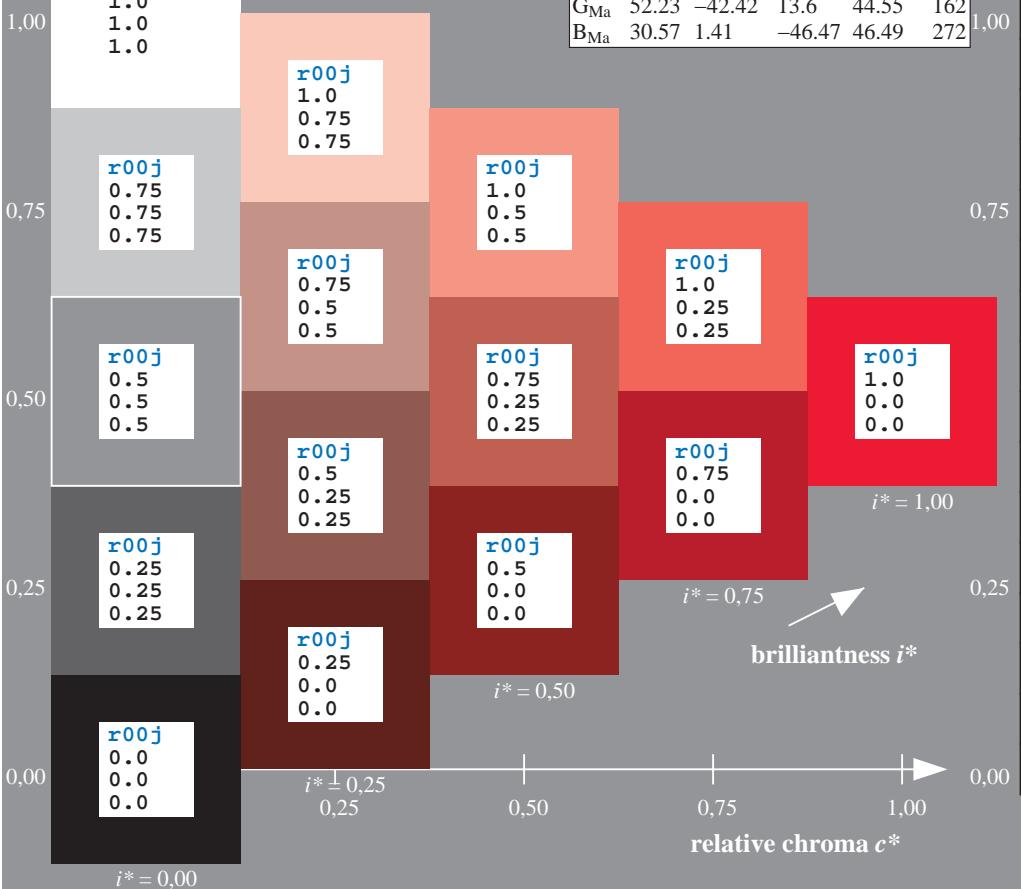
$$u^*_e = r00j$$

$$lab^*rgb^*$$

Hue texts:
 lab^*tch^* and lab^*icu^*
 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} = 67g*_{C,rel} = 59triangle lightness t^*

%Gamut

u*_{rel} = 87

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g*_{H,rel} = 67g*_{C,rel} = 59triangle lightness t^*

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u*_{rel} = 87

%Regularity

g*_{H,rel} = 67g*_{C,rel} = 59triangle lightness t^*

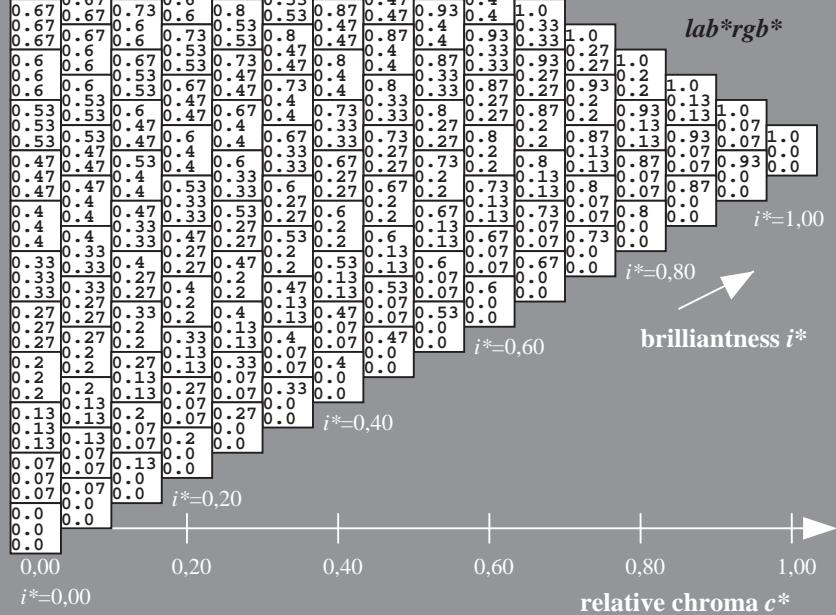
%Gamut

u*_{rel} = 87

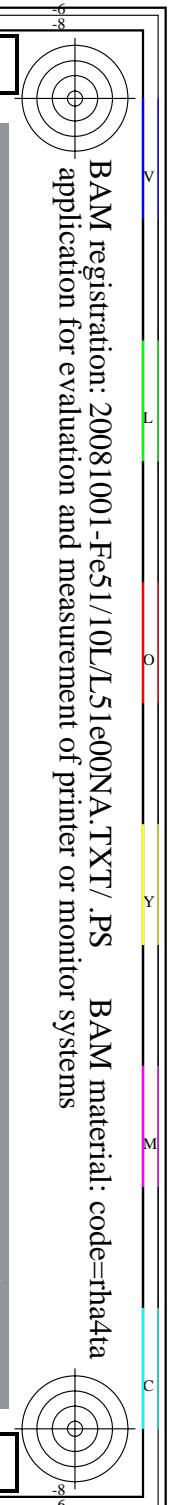
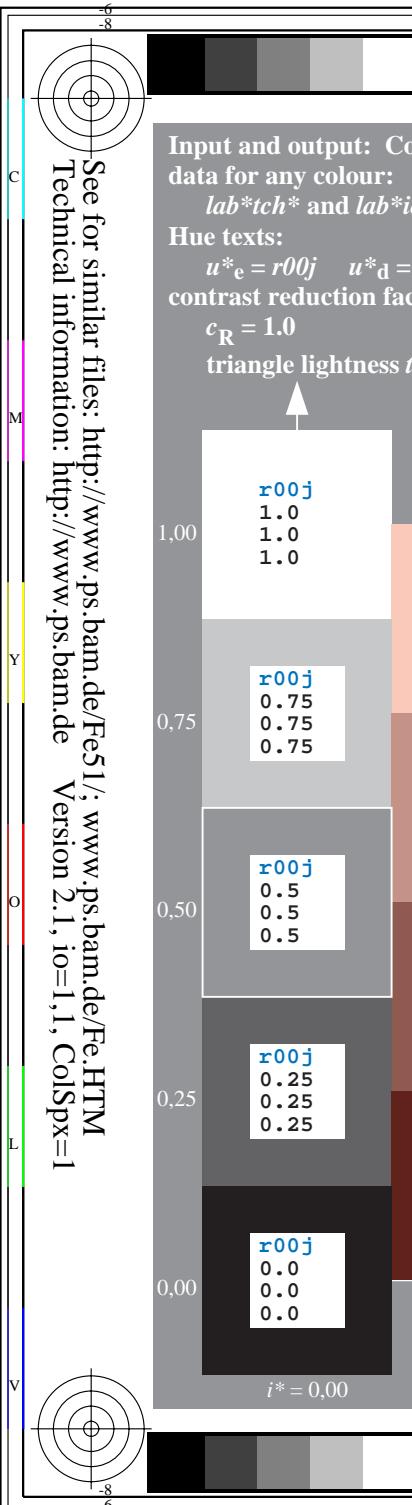
%Regularity

g*_{H,rel} = 67g*_{C,rel} = 59triangle lightness t^*

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



input: 000n / w / nnn0 / www set...
 output: ->cmyn6* setcmykcolor



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

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

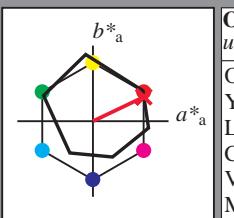
Hue texts:

$$u^*_e = r00j \quad u^*_d = m840$$

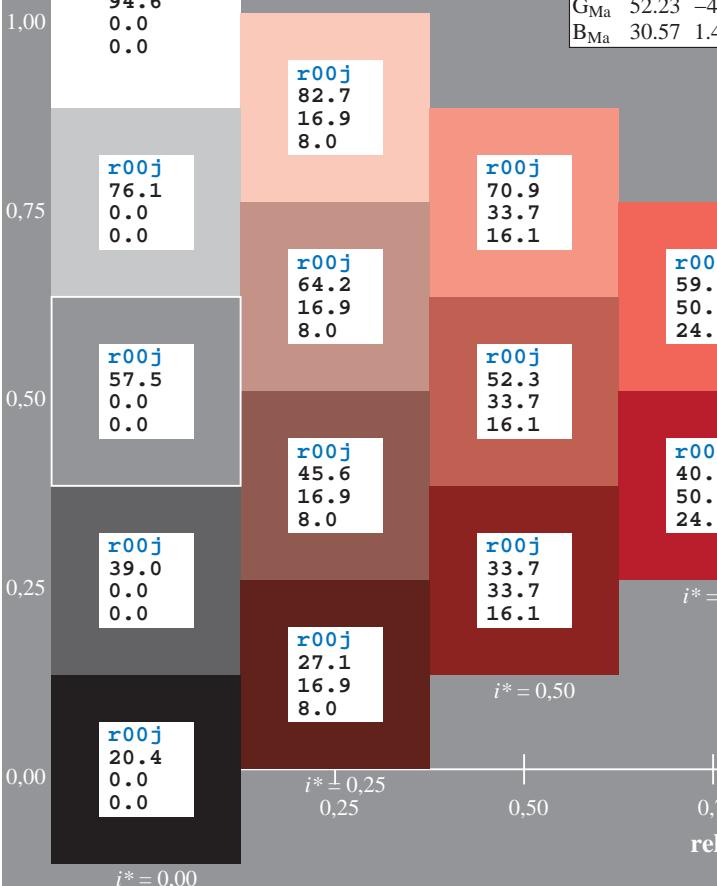
contrast reduction factor:

$$c_R = 1.0$$

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
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Data for maximum colour (Ma):

$$LAB^*LAB^*Ma: 47 \ 67 \ 32$$

$$LAB^*LCH^*Ma: 47 \ 75 \ 25$$

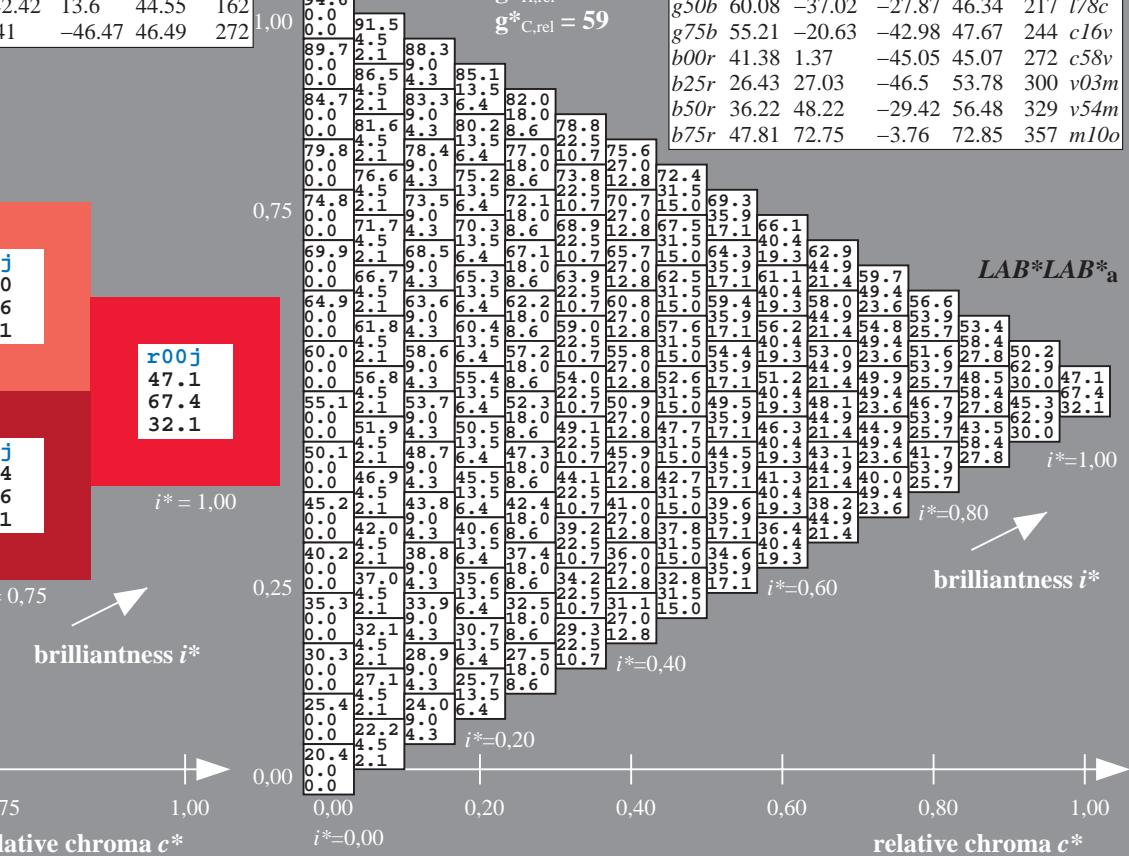
$$lab^*rgb^*Ma: 1.0 \ 0.0 \ 0.0$$

$$lab^*olv^*Ma: 1.0 \ 0.0 \ 0.15$$

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	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	47.06	67.41	32.12	74.67	25
r25j	53.95	53.38	48.38	72.04	42
r50j	63.6	35.87	59.45	69.43	59
r75j	73.37	18.14	70.66	72.95	76
j00g	85.24	-3.4	84.28	84.35	92
j25g	78.53	-25.99	72.23	76.76	110
j50g	68.25	-42.61	56.0	70.37	127
j75g	58.73	-57.99	40.99	71.02	145
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$$u^*_e = r00j \\ LAB^*LCH^*_a$$

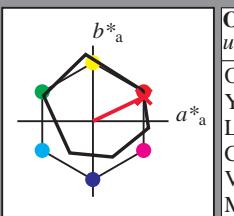
Hue texts:

$$u^*_e = r00j \quad u^*_d = m840$$

contrast reduction factor:

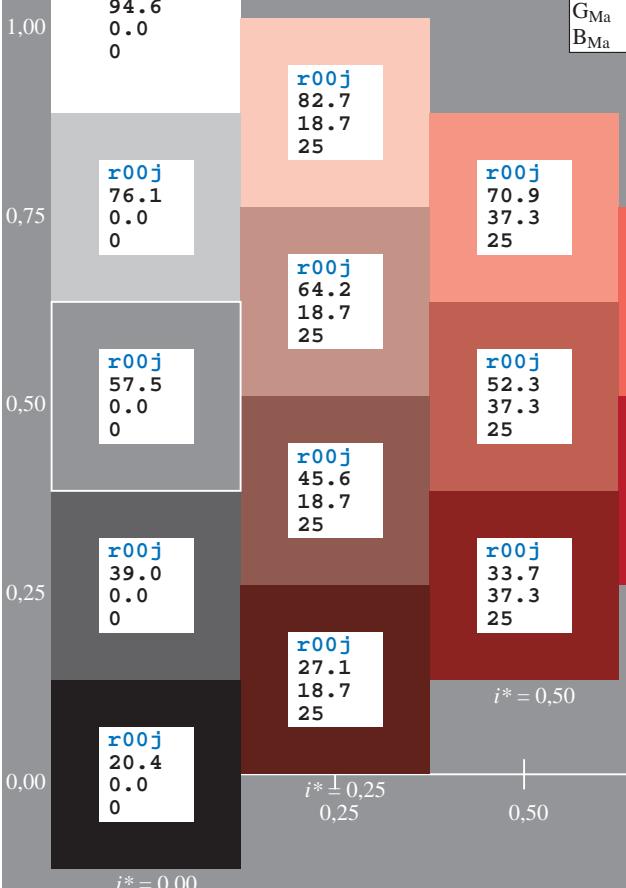
$$c_R = 1.0$$

triangle lightness t^*



ORS20_95a; adapted (a) CIELAB data

	u^*_e	$L^* = L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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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	
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$$LAB^*LAB^*Ma: 47 \ 67 \ 32$$

$$LAB^*LCH^*Ma: 47 \ 75 \ 25$$

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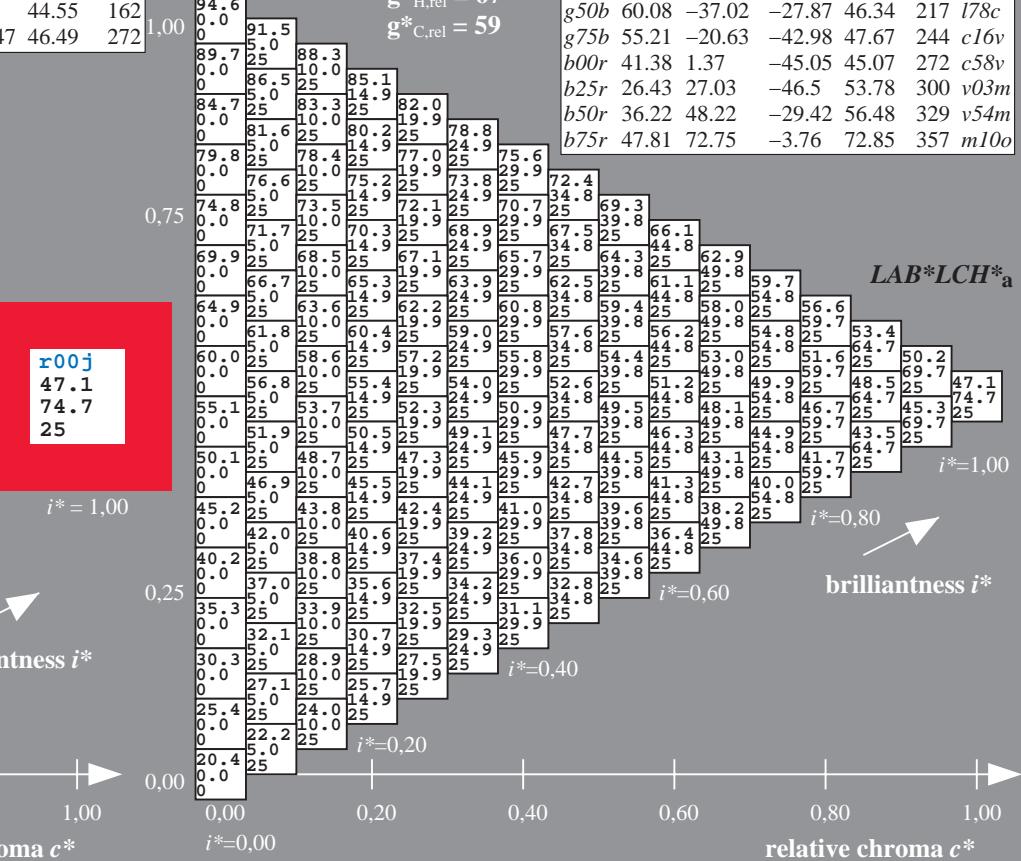
triangle lightness t^*

$$\begin{matrix} & \% \text{Gamut} \\ & u^*_{\text{rel}} = 87 \\ & \% \text{Regularity} \\ g^*_{H,\text{rel}} = 67 & \\ g^*_{C,\text{rel}} = 59 & \end{matrix}$$

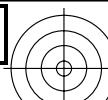
ORS20_95a; adapted (a) CIELAB data

	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	m840	
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^*LCH^*a



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$$lab^*tch^*$$

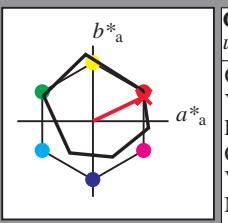
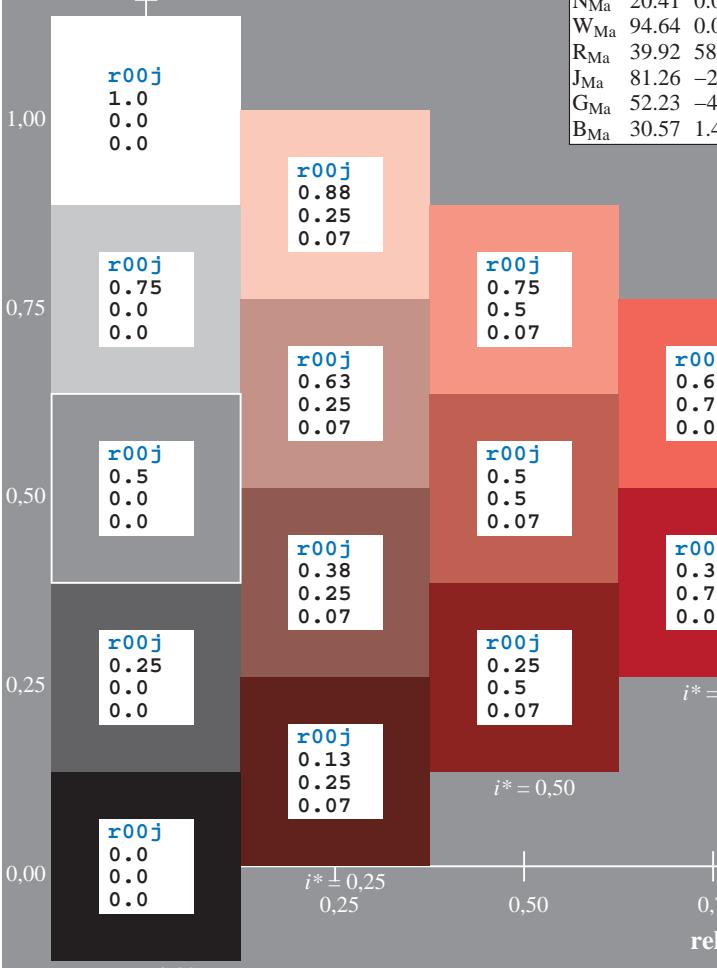
Hue texts:

$$u^*_e = r00j \quad u^*_d = m840$$

contrast reduction factor:

$$c_R = 1.0$$

triangle lightness t^*



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u^*_e	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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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^*

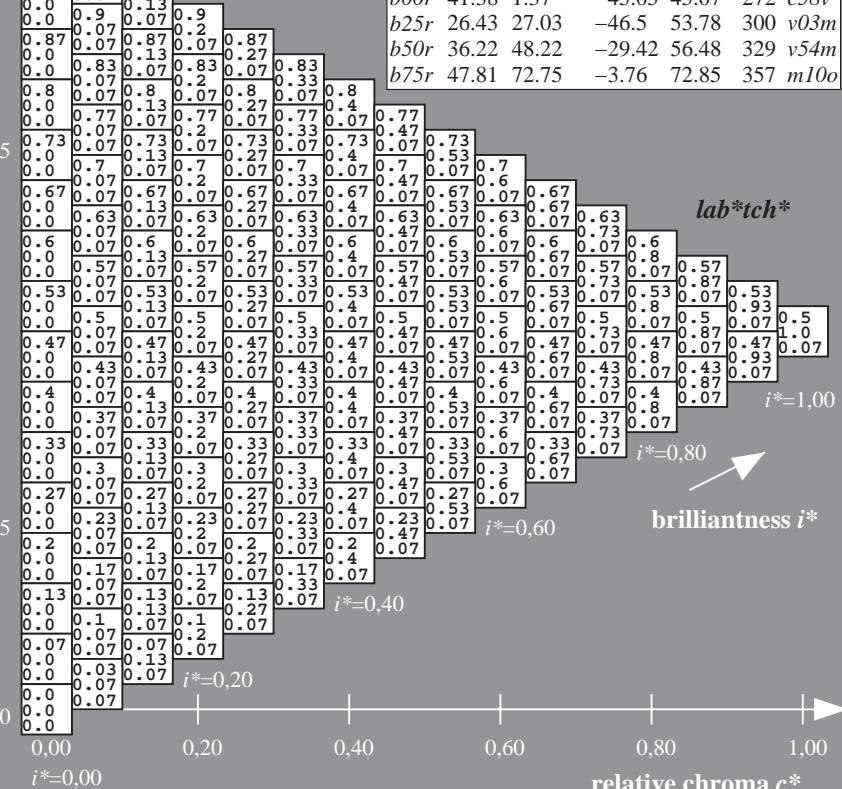
%Gamut

$$u^*_{rel} = 87$$

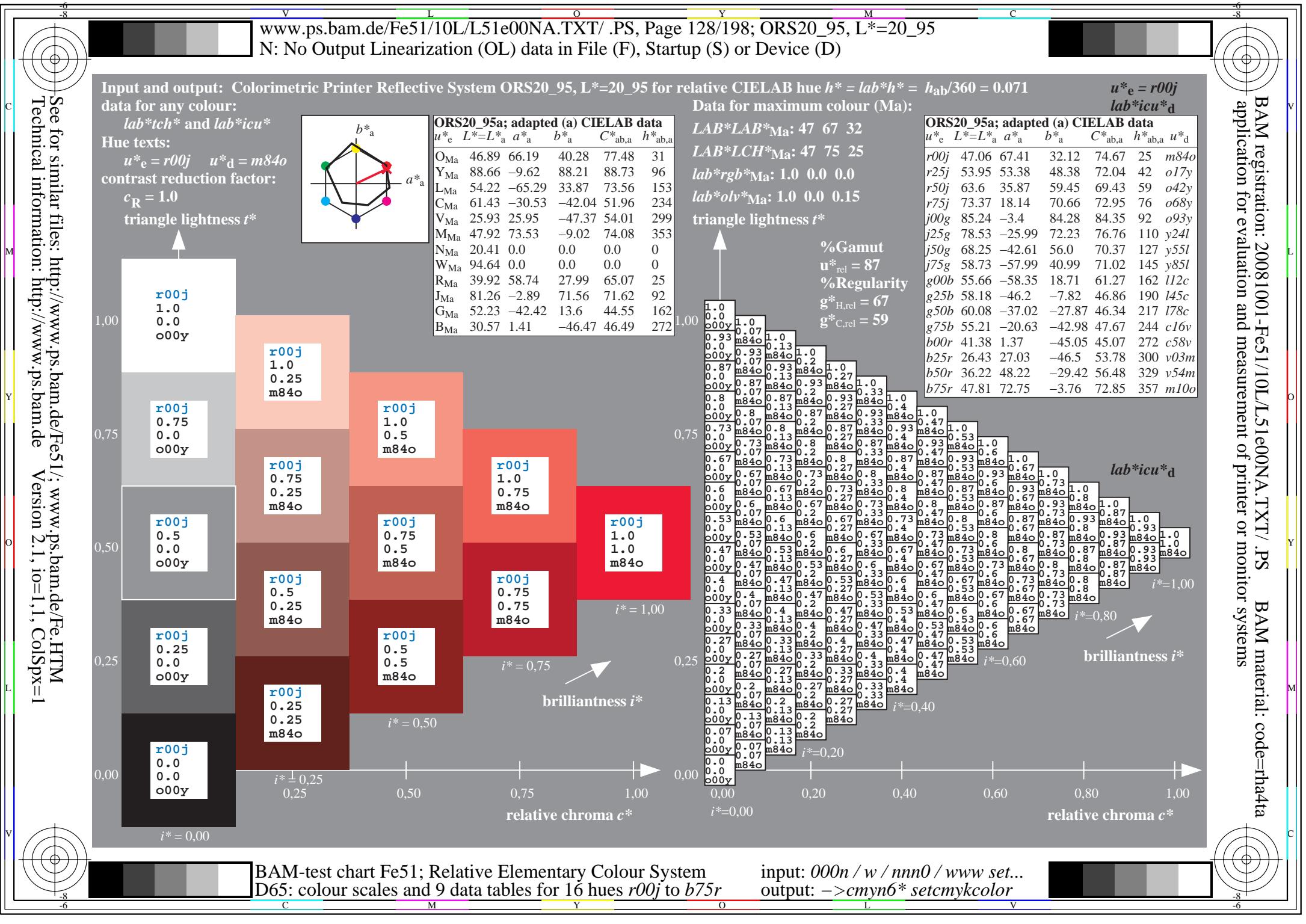
%Regularity

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

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



BAM registration: 20081001-Fe51/10L/L51e00NA.TXT/.PS BAM material: code=rha4ta application for evaluation and measurement of printer or monitor systems



N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

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

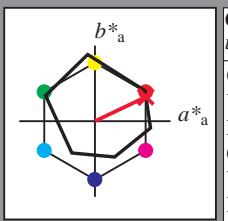
$u^*_e = r00j$
LAB*LAB*

Hue texts:

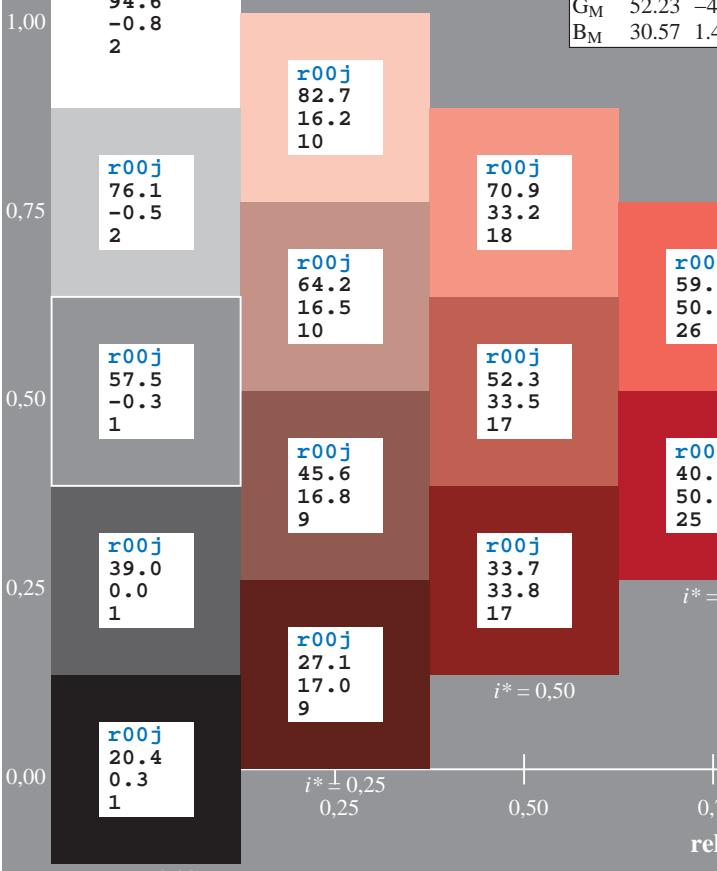
$$u^*_e = r00j \quad u^*_d = m840$$

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

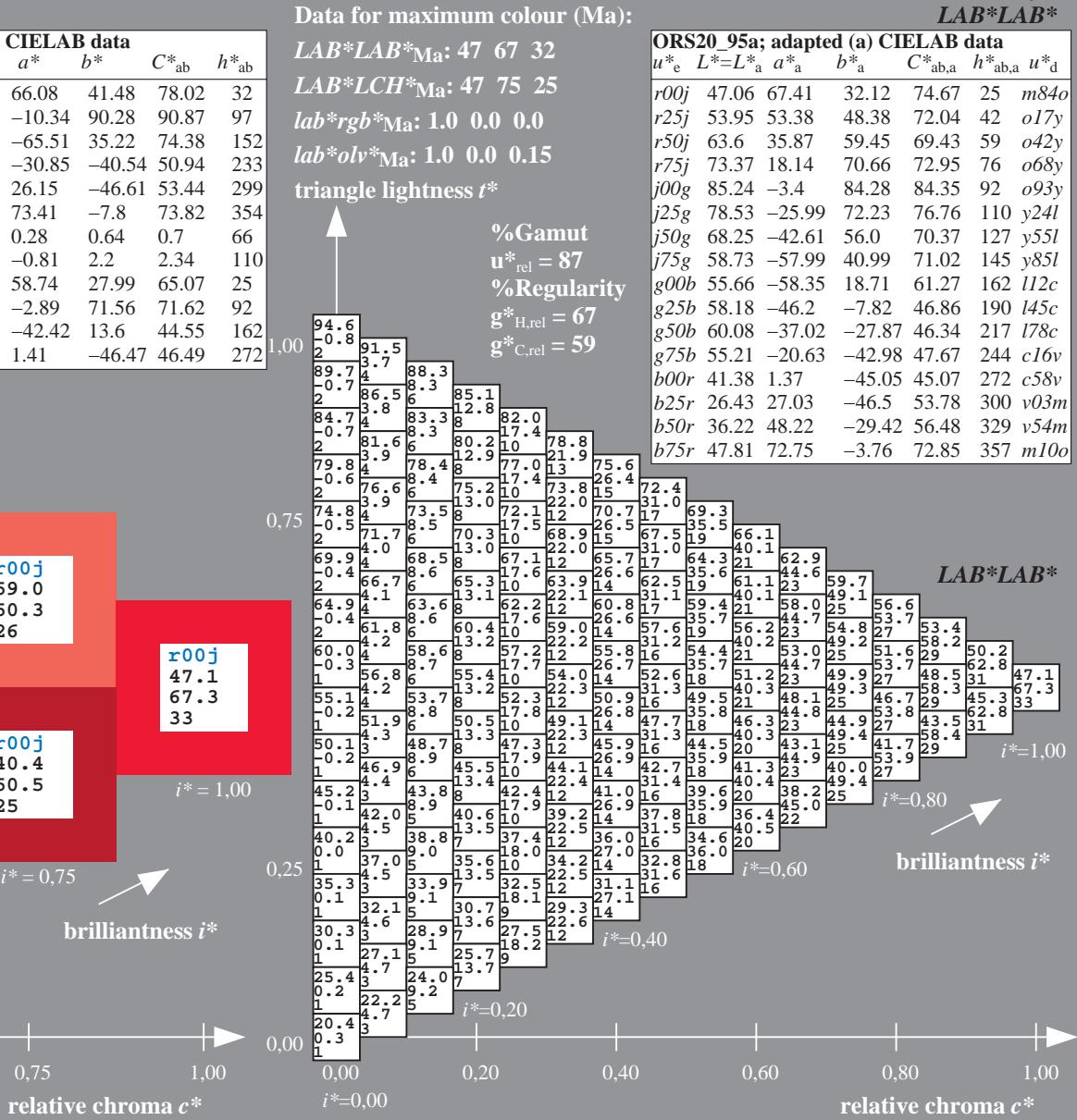
LAB*LCH*Ma: 47 75 25

lab*rgb*Ma: 1.0 0.0 0.0

lab*olv*Ma: 1.0 0.0 0.15

triangle lightness t^*

ORS20_95a; adapted (a) CIELAB data						
	u^*_e	$L^* = L^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	47.06	67.41	32.12	74.67	25	m840
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: 000n / w / nnn0 / www set...
output: ->cmyn6* setcmykcolor

c

M

M

Y

L

V

C

BAM registration: 20081001-Fe51/10L/L51e00NA.TXT/.PS
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v

L

O

Y

M

C

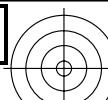
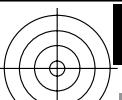
V

-6

-8

-6

-8



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

$$u^*_e = r00j$$

$$lab^*olv^*$$

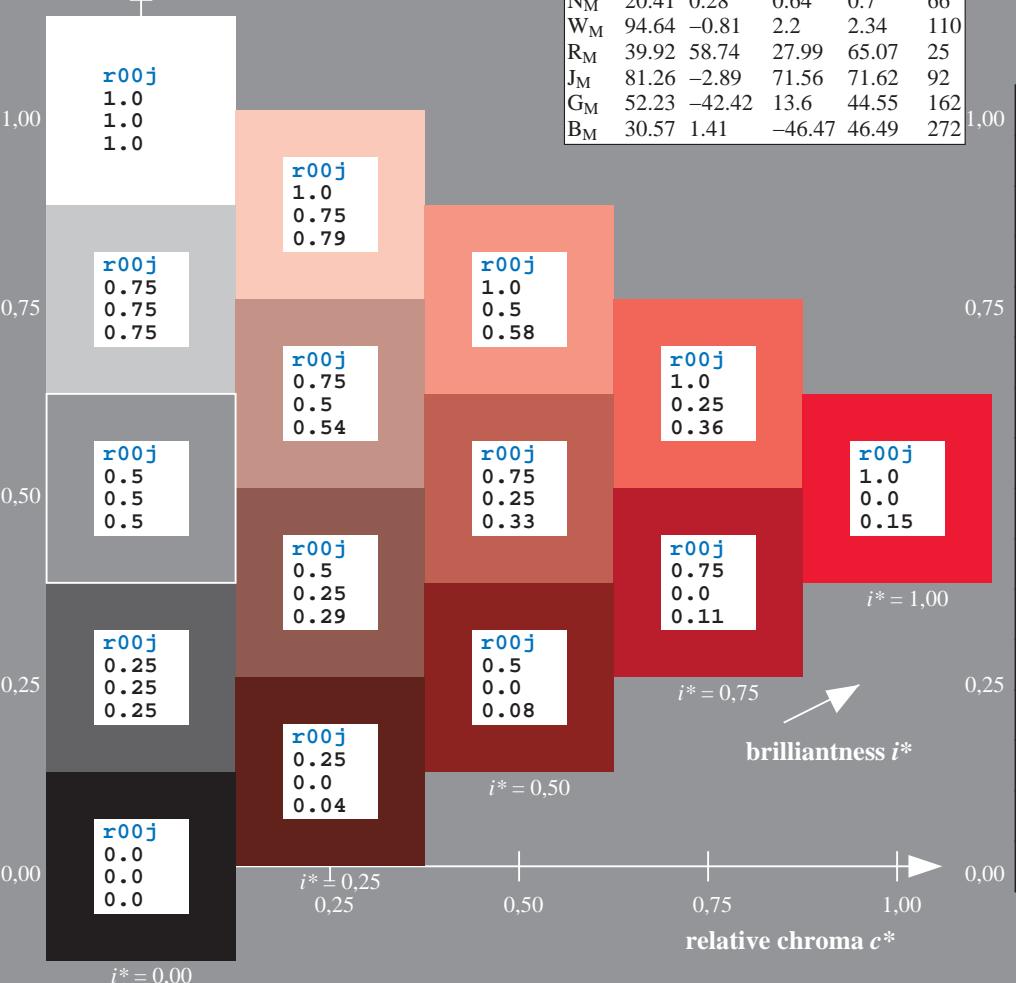
Hue texts:

$$u^*_e = r00j \quad u^*_d = m840$$

contrast reduction factor:

$$c_R = 1.0$$

triangle lightness t^*



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^*

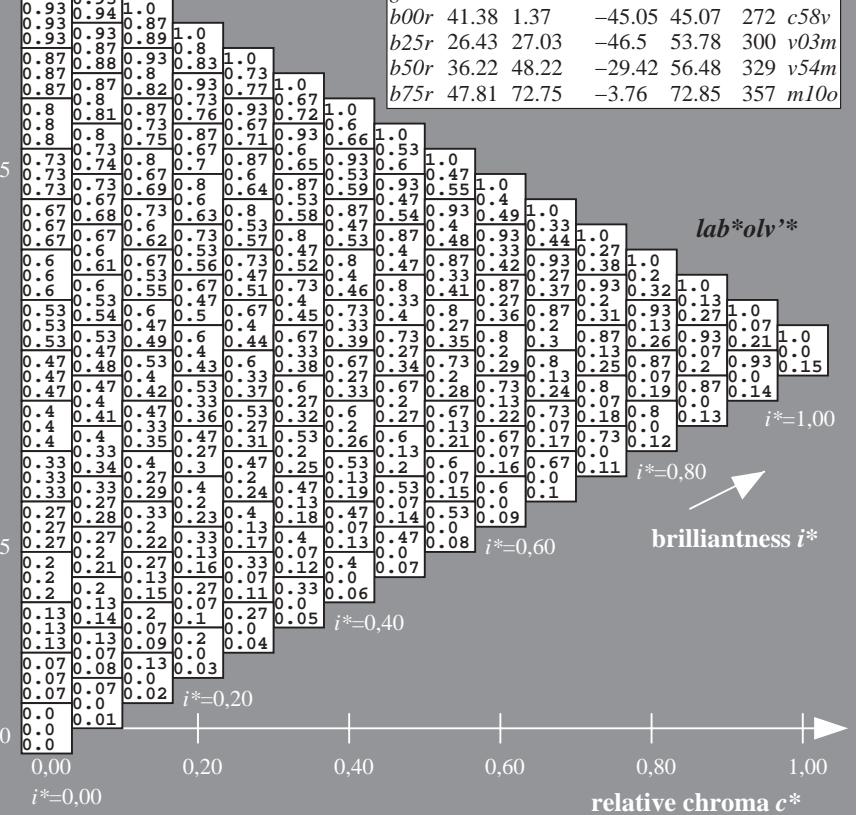
%Gamut

$$u^*_{rel} = 87$$

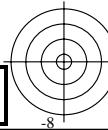
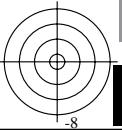
%Regularity

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

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



BAM registration: 20081001-Fe51/10L/L51e00NA.TXT/.PS BAM material: code=rha4ta application for evaluation and measurement of printer or monitor systems



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

$$u^*_e = r00j$$

$$LAB^*cmyn^*$$

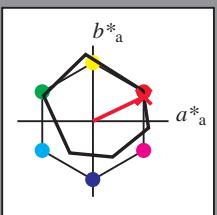
Hue texts:

$$u^*_e = r00j \quad u^*_d = m840$$

contrast reduction factor:

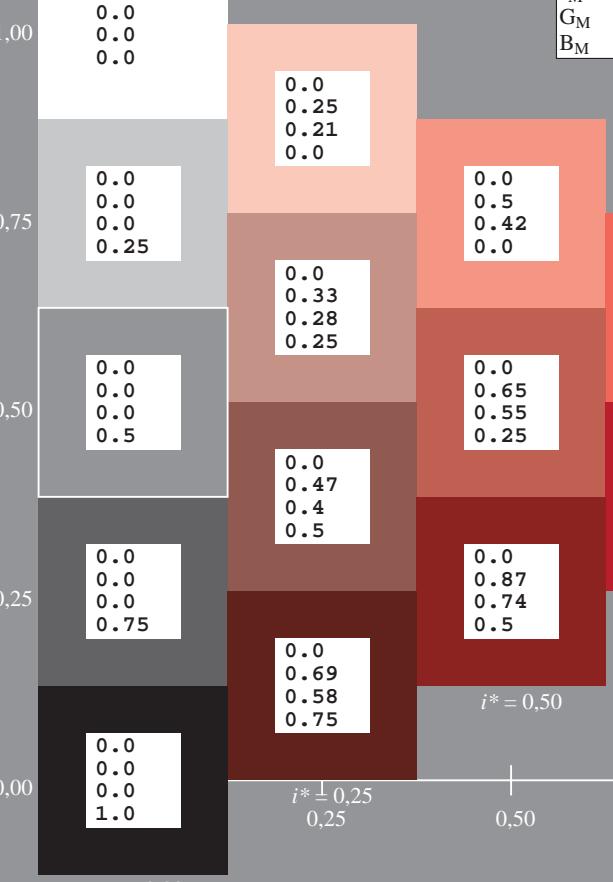
$$c_R = 1.0$$

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	
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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):

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$$LAB^*LCH^*Ma: 47 \ 75 \ 25$$

$$lab^*rgb^*Ma: 1.0 \ 0.0 \ 0.0$$

$$lab^*olv^*Ma: 1.0 \ 0.0 \ 0.15$$

triangle lightness t^*

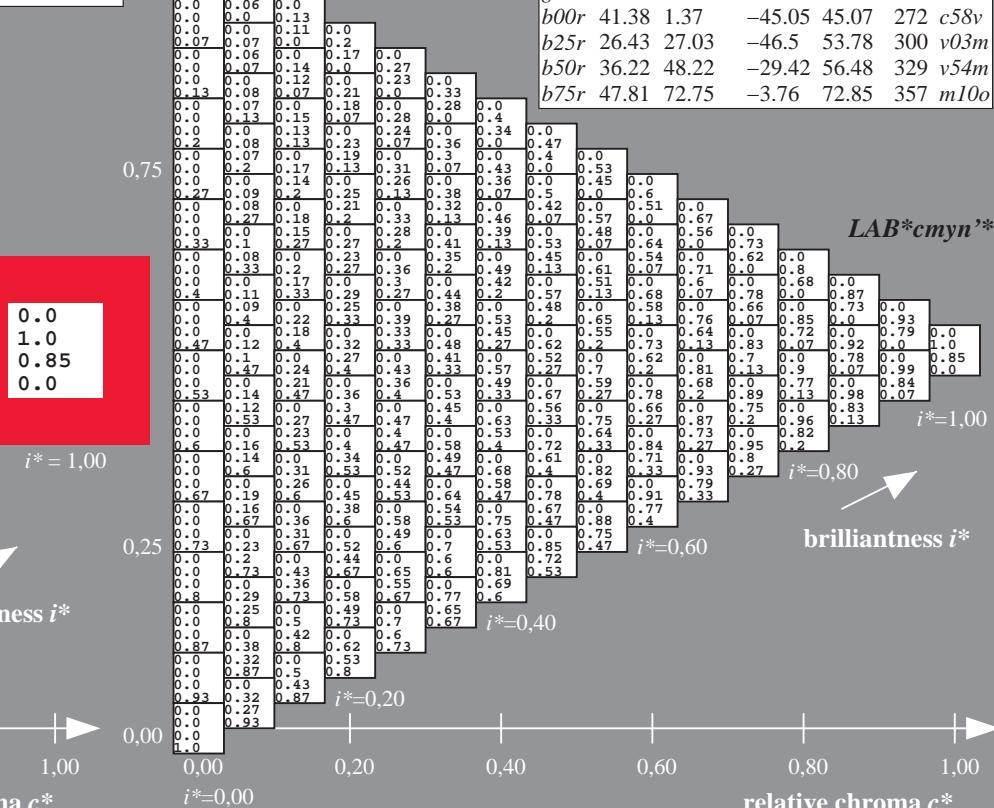
%Gamut

$$u^*_{rel} = 87$$

%Regularity

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

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



BAM registration: 20081001-Fe51/10L/L51e00NA.TXT/.PS BAM material: code=rha4ta application for evaluation and measurement of printer or monitor systems