www.ps.bam.de/Ee30/10L/L30E00NP.PS/ .PDF; ORS19_96a; start output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

See for similar files: http://www.ps.bam.de/Ee30/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

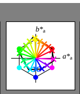
BAM registration: 20080901-Ee30/10L/L30E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems

BAM material: code=rha4ta

Input and output:
Colorimetric Printer Reflective System ORS19_96a
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 = 1.0

ORS19_96a; adapted (a) CIELAB data

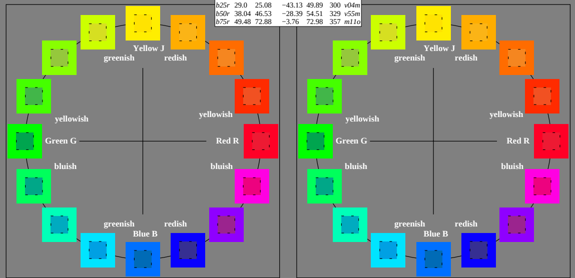
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*



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

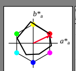
ORS19_96a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	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 ORS19_96a 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**



ORS19_96a; adapted (a) CIELAB data

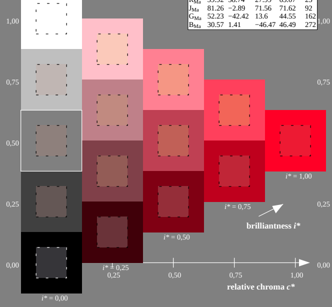
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

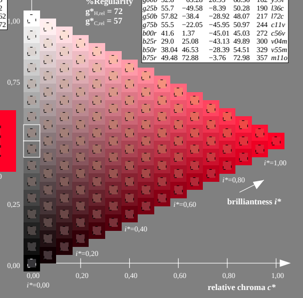
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 49 66 32**
***LAB*LCH**$_{Ma}$: 49 74 25**
***lab*rgb**$_{Ma}$: 1.0 0.0 0.0**
***lab*olv**$_{Ma}$: 1.0 0.0 0.15**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

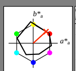
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*





Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = o17y
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

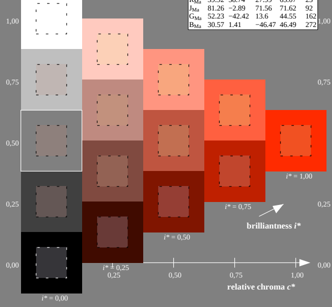
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

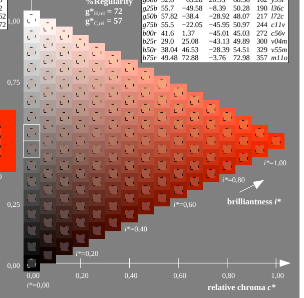
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 56 52 47**
***LAB*LCH**$_{Ma}$: 56 71 42**
***lab*rgb**$_{Ma}$: 1.0 0.25 0.0**
***lab*olv**$_{Ma}$: 1.0 0.17 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

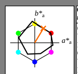
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*





Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = o42y
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

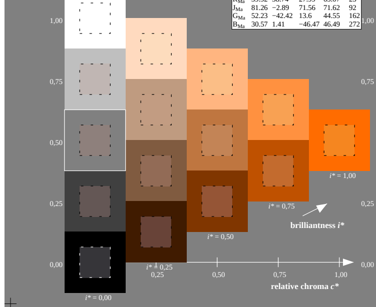
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

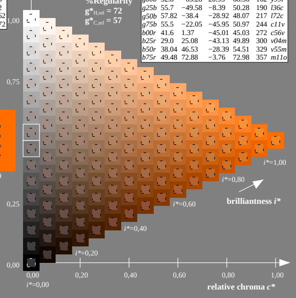
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 65 35 58**
***LAB*LCH**$_{Ma}$: 65 68 58**
***lab*rgb**$_{Ma}$: 1.0 0.5 0.0**
***lab*olv**$_{Ma}$: 1.0 0.42 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

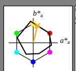
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*





Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = o67y
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

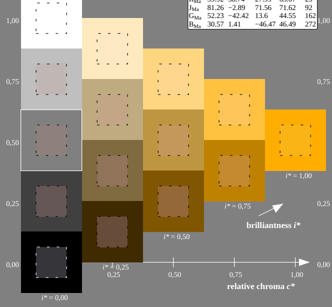
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

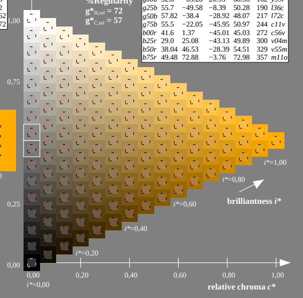
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 75 18 69**
***LAB*LCH**$_{Ma}$: 75 72 75**
***lab*rgb**$_{Ma}$: 1.0 0.75 0.0**
***lab*olv**$_{Ma}$: 1.0 0.68 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

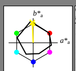
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*





Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = 1.0
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

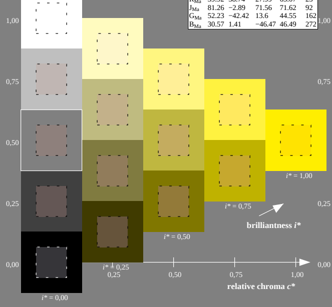
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

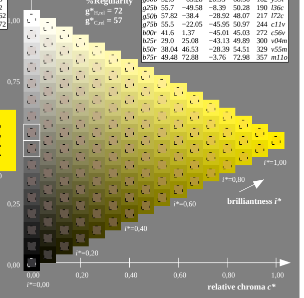
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 87 −3 83**
***LAB*LCH**$_{Ma}$: 87 83 92**
***lab*rgb**$_{Ma}$: 1.0 1.0 0.0**
***lab*olv**$_{Ma}$: 1.0 0.93 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

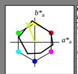
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*





Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = y20l
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

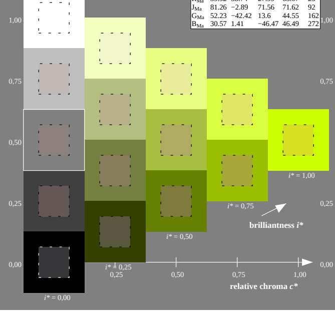
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

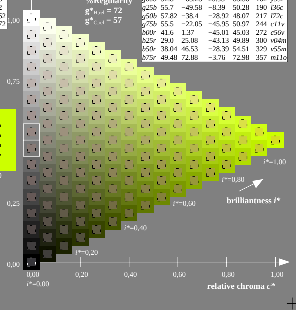
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 81 −25 69**
***LAB*LCH**$_{Ma}$: 81 74 109**
***lab*rgb**$_{Ma}$: 0.75 1.0 0.0**
***lab*olv**$_{Ma}$: 0.8 1.0 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

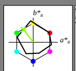
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*





Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = y46l
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

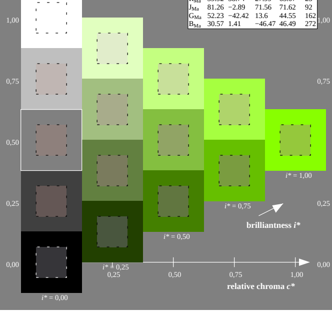
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

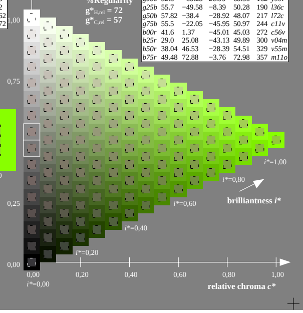
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 71 −40 52**
***LAB*LCH**$_{Ma}$: 71 65 127**
***lab*rgb**$_{Ma}$: 0.5 1.0 0.0**
***lab*olv**$_{Ma}$: 0.54 1.0 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

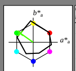
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*





Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = y72l
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

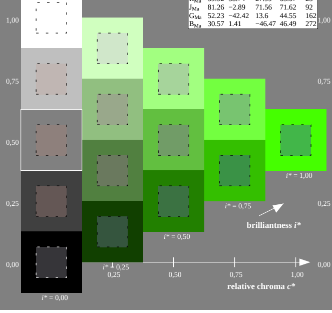
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

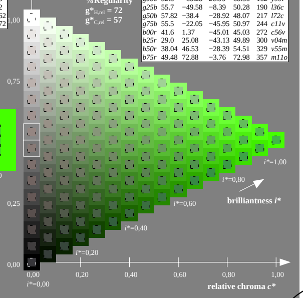
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 62 −52 37**
***LAB*LCH**$_{Ma}$: 62 64 144**
***lab*rgb**$_{Ma}$: 0.25 1.0 0.0**
***lab*olv**$_{Ma}$: 0.27 1.0 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*





BAM-test chart Ee30; Colorimetric systems, Page 1/11
D65: colour scales and 9 tables for 16 hues *r00j* to *j75g*

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

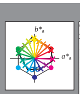
www.ps.bam.de/Ee30/10L/L30E00NP.PS/ .PDF; ORS19_96a; transfer and output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

See for similar files: http://www.ps.bam.de/Ee30/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

Input and output:
Colorimetric Printer Reflective System ORS19_96a
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 = 1.0

ORS19_96a; adapted (a) CIELAB data

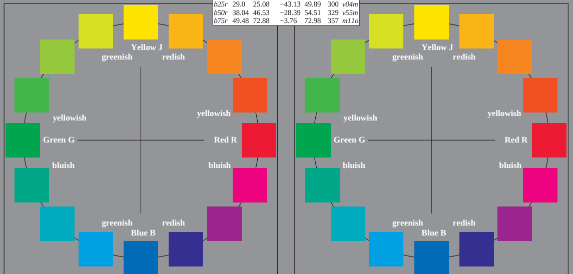
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



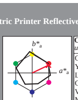
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	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 ORS19_96a 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*



ORS19_96a; adapted (a) CIELAB data

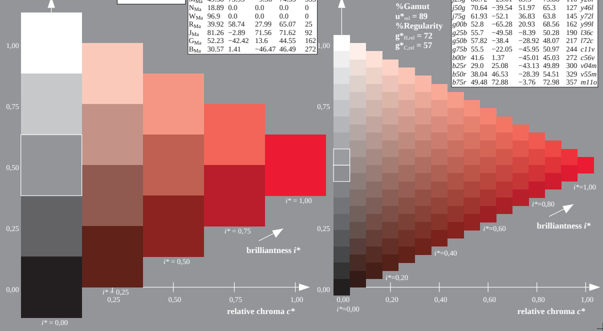
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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 74 25
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.0 0.15
triangle lightness t*

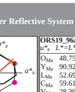
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$u^*_e = r25j$ $u^*_d = o17y$
contrast reduction factor:
c_R = 1.0
triangle lightness t*



ORS19_96a; adapted (a) CIELAB data

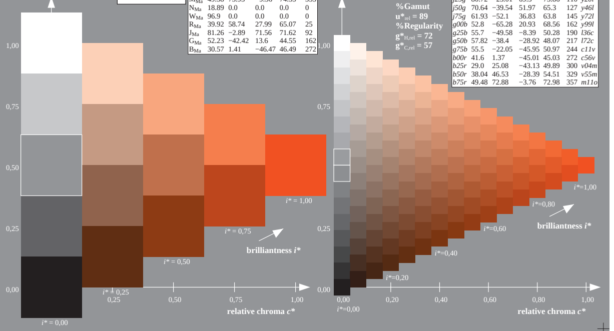
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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 52 47
$LAB^*LCH^*_{Ma}$: 56 71 42
$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
$lab^*olv^*_{Ma}$: 1.0 0.17 0.0
triangle lightness t*

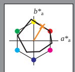
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$u^*_e = r50j$ $u^*_d = o42y$
contrast reduction factor:
c_R = 1.0
triangle lightness t*



ORS19_96a; adapted (a) CIELAB data

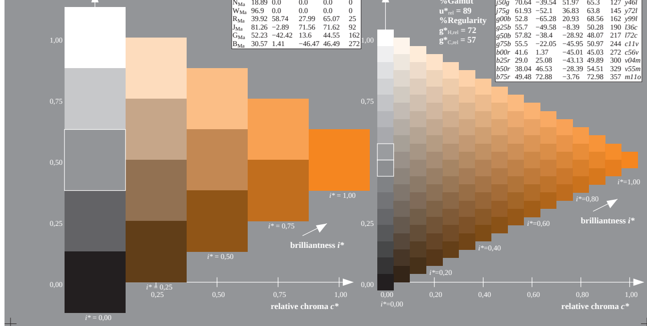
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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):
$LAB^*LAB^*_{Ma}$: 65 35 58
$LAB^*LCH^*_{Ma}$: 65 68 58
$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0
$lab^*olv^*_{Ma}$: 1.0 0.42 0.0
triangle lightness t*

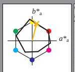
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$u^*_e = r75j$ $u^*_d = o67y$
contrast reduction factor:
c_R = 1.0
triangle lightness t*



ORS19_96a; adapted (a) CIELAB data

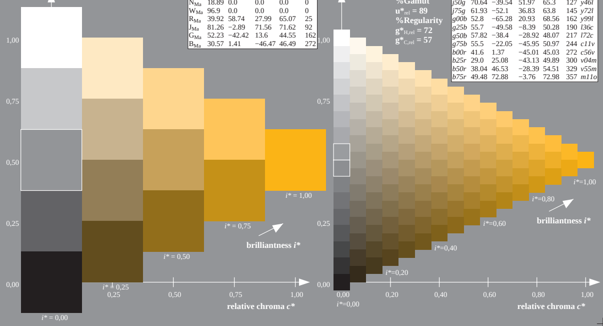
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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):
$LAB^*LAB^*_{Ma}$: 75 18 69
$LAB^*LCH^*_{Ma}$: 75 72 75
$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0
$lab^*olv^*_{Ma}$: 1.0 0.68 0.0
triangle lightness t*

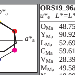
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = 1.0
triangle lightness t*



ORS19_96a; adapted (a) CIELAB data

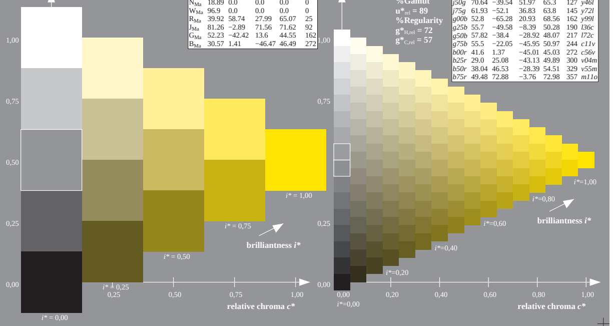
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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):
$LAB^*LAB^*_{Ma}$: 87 −3 83
$LAB^*LCH^*_{Ma}$: 87 83 92
$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.93 0.0
triangle lightness t*

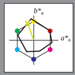
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$u^*_e = j25g$ $u^*_d = y20l$
contrast reduction factor:
c_R = 1.0
triangle lightness t*



ORS19_96a; adapted (a) CIELAB data

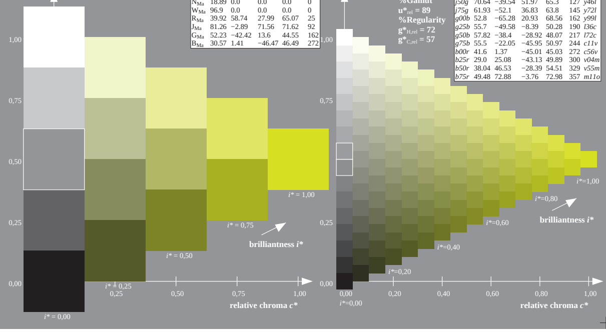
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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):
$LAB^*LAB^*_{Ma}$: 81 −25 69
$LAB^*LCH^*_{Ma}$: 81 74 109
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*olv^*_{Ma}$: 0.8 1.0 0.0
triangle lightness t*

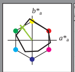
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$u^*_e = j50g$ $u^*_d = y46l$
contrast reduction factor:
c_R = 1.0
triangle lightness t*



ORS19_96a; adapted (a) CIELAB data

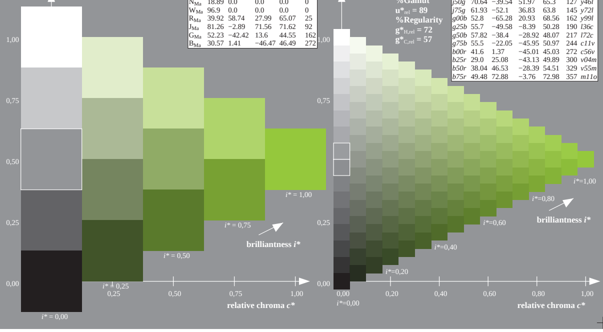
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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):
$LAB^*LAB^*_{Ma}$: 71 −40 52
$LAB^*LCH^*_{Ma}$: 71 65 127
$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0
$lab^*olv^*_{Ma}$: 0.54 1.0 0.0
triangle lightness t*

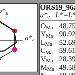
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$u^*_e = j75g$ $u^*_d = y72l$
contrast reduction factor:
c_R = 1.0
triangle lightness t*



ORS19_96a; adapted (a) CIELAB data

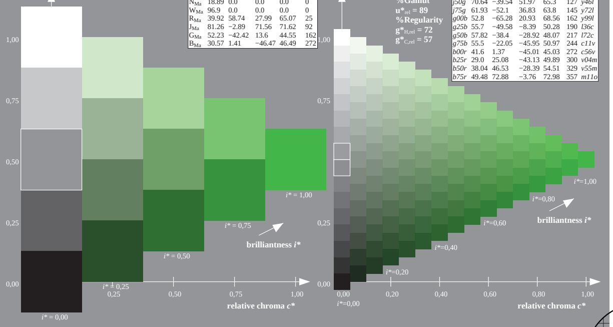
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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):
$LAB^*LAB^*_{Ma}$: 62 −52 37
$LAB^*LCH^*_{Ma}$: 62 64 144
$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
$lab^*olv^*_{Ma}$: 0.27 1.0 0.0
triangle lightness t*

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



BAM registration: 20080901-Ee30/10L/L30E00NP.PS/ .PDF
BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

BAM-test chart Ee30; Colorimetric systems, Page 2/11
D65: colour scales and 9 tables for 16 hues *r00j* to *j75g*

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

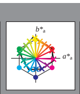
www.ps.bam.de/Ee30/10L/L30E00NP.PS/ .PDF; ORS19_96a; transfer and output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

See for similar files: http://www.ps.bam.de/Ee30/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
u^*_e and number no. = 00 .. 15
elementary hue text:
u^*_e = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

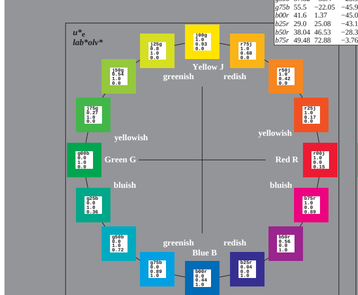
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

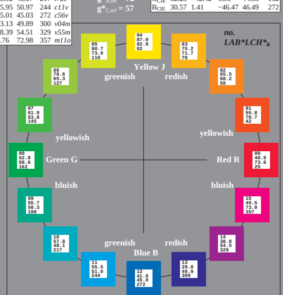


%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

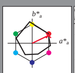
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	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 ORS19_96a 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 = m84o
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

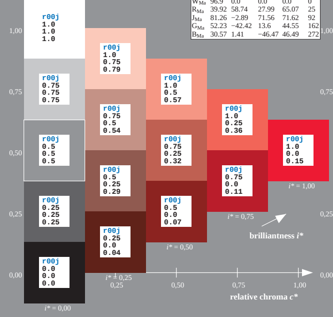
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

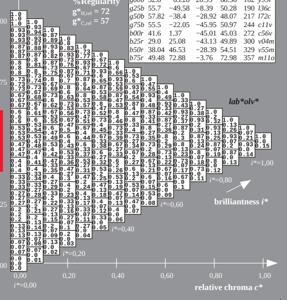
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 49 66 32**
***LAB*LCH*$_{Ma}$*: 49 74 25**
***lab*rgb*$_{Ma}$*: 1.0 0.0 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.0 0.15**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

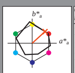
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = o17y
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

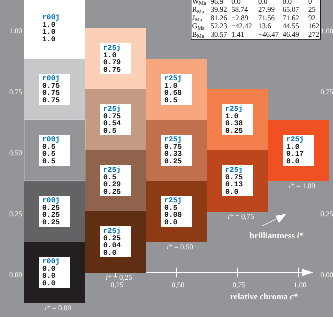
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

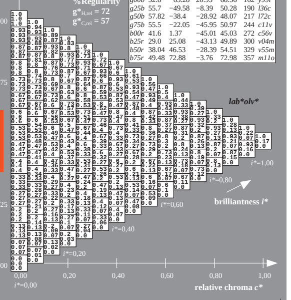
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 56 52 47**
***LAB*LCH*$_{Ma}$*: 56 71 42**
***lab*rgb*$_{Ma}$*: 1.0 0.25 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.17 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

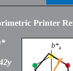
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = o42y
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

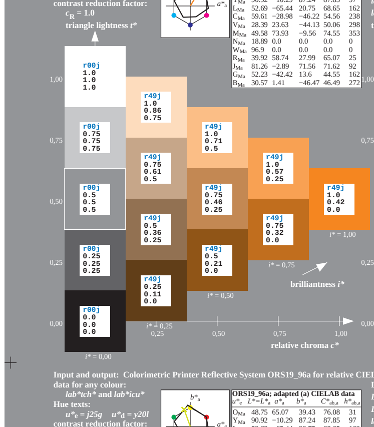
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

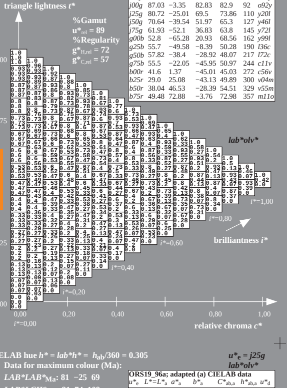
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 65 35 58**
***LAB*LCH*$_{Ma}$*: 65 68 58**
***lab*rgb*$_{Ma}$*: 1.0 0.5 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.42 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

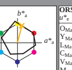
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = o67y
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

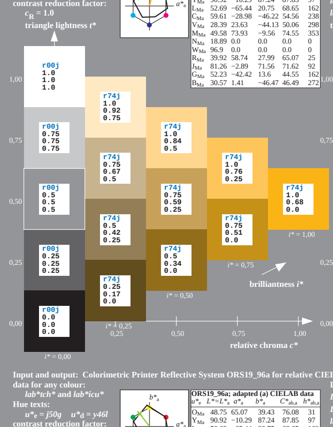
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

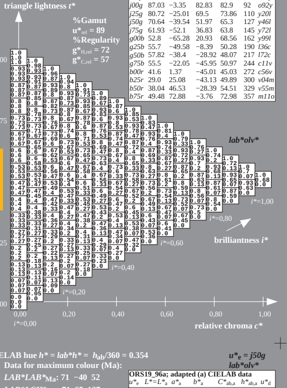
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 75 18 69**
***LAB*LCH*$_{Ma}$*: 75 72 75**
***lab*rgb*$_{Ma}$*: 1.0 0.75 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.68 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

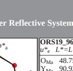
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$c_R = 1.0$
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

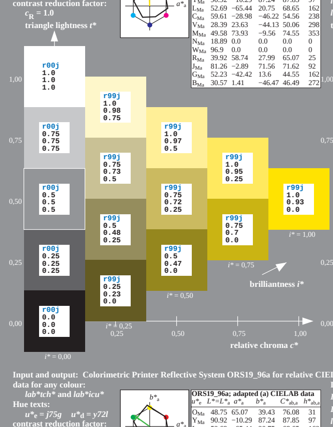
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

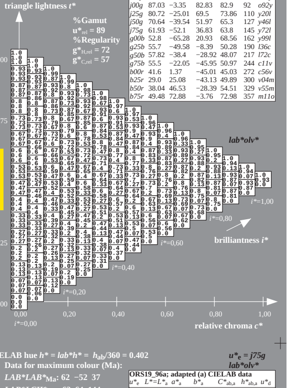
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 87 −3 83**
***LAB*LCH*$_{Ma}$*: 87 83 92**
***lab*rgb*$_{Ma}$*: 1.0 1.0 0.0**
***lab*olv*$_{Ma}$*: 1.0 0.93 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

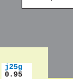
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = y20l
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

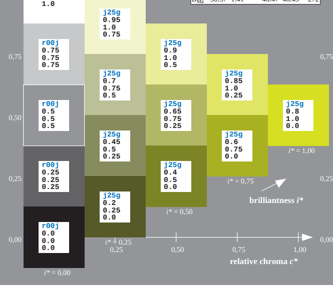
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

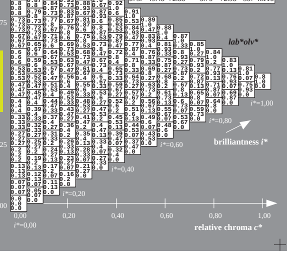
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 81 −25 69**
***LAB*LCH*$_{Ma}$*: 81 74 109**
***lab*rgb*$_{Ma}$*: 0.75 1.0 0.0**
***lab*olv*$_{Ma}$*: 0.8 1.0 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

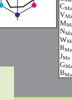
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = y46l
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

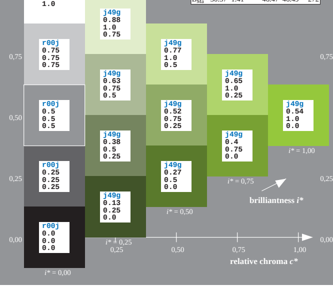
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

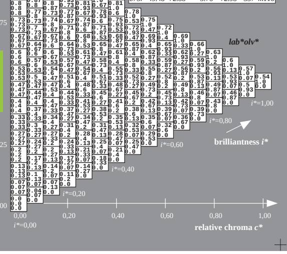
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 71 −40 52**
***LAB*LCH*$_{Ma}$*: 71 65 127**
***lab*rgb*$_{Ma}$*: 0.5 1.0 0.0**
***lab*olv*$_{Ma}$*: 0.54 1.0 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

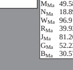
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = y72l
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



ORS19_96a; adapted (a) CIELAB data

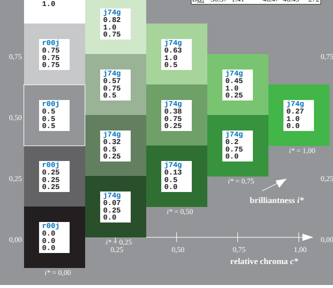
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

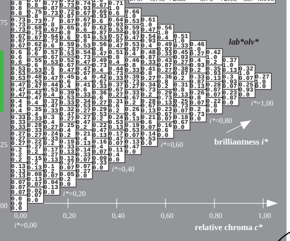
Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$*: 62 −52 37**
***LAB*LCH*$_{Ma}$*: 62 64 144**
***lab*rgb*$_{Ma}$*: 0.25 1.0 0.0**
***lab*olv*$_{Ma}$*: 0.27 1.0 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





BAM registration: 20080901-Ee30/10L/L30E00NP.PS/ .PDF
BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

BAM-test chart Ee30; Colorimetric systems, Page 3/11
D65: colour scales and 9 tables for 16 hues *r00j* to *j75g*

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

www.ps.bam.de/Ee30/10L/L30E00NP.PS/ .PDF; ORS19_96a; transfer and output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

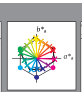
See for similar files: http://www.ps.bam.de/Ee30/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

BAM registration: 20080901-Ee30/10L/L30E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta

Input and output:
Colorimetric Printer Reflective System ORS19_96a
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 = 1.0

ORS19_96a; adapted (a) CIELAB data

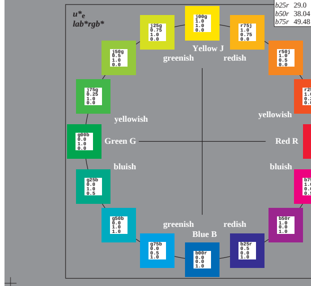
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

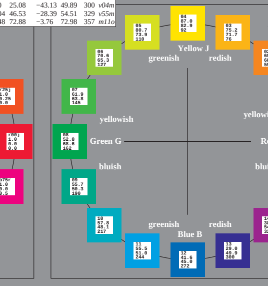


%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

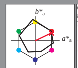
ORS19_96a; adapted (a) CIELAB data

Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	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 ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ ***u*e = r00j***
lab*rgb*
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**



Data for maximum colour (Ma):
*LAB*LAB*Ma*: 49 66 32
*LAB*LCH*Ma*: 49 74 25
*lab*rgb*Ma*: 1.0 0.0 0.0
*lab*olv*Ma*: 1.0 0.0 0.15
triangle lightness *t**

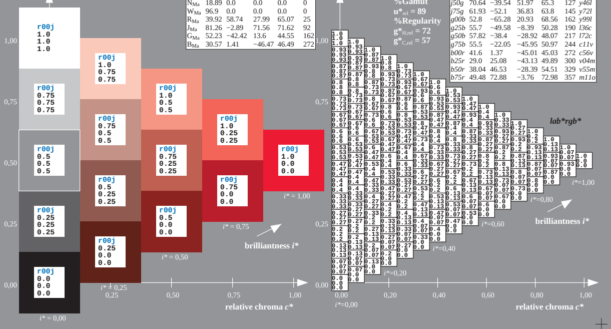
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

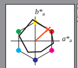
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

ORS19_96a; adapted (a) CIELAB data

*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



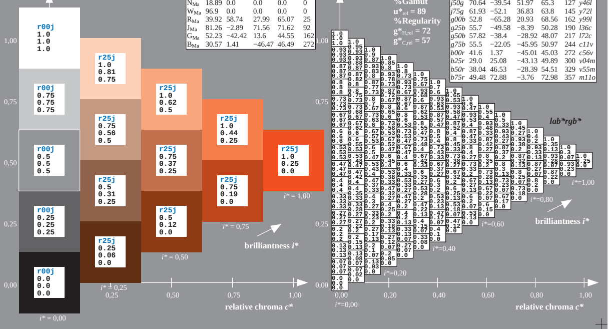
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ ***u*e = r25j***
lab*rgb*
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
*u*e = r25j u*d = o17y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



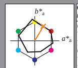
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 56 52 47
*LAB*LCH*Ma*: 56 71 42
*lab*rgb*Ma*: 1.0 0.25 0.0
*lab*olv*Ma*: 1.0 0.17 0.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data (tables as above: O_{Ma} … B_{Ma} and r00j … b75r)



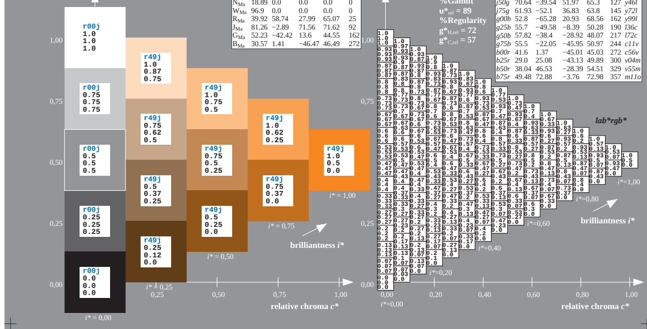
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ ***u*e = r50j***
lab*rgb*
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
*u*e = r50j u*d = o42y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



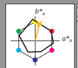
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 65 35 58
*LAB*LCH*Ma*: 65 68 58
*lab*rgb*Ma*: 1.0 0.5 0.0
*lab*olv*Ma*: 1.0 0.42 0.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data (tables as above: O_{Ma} … B_{Ma} and r00j … b75r)



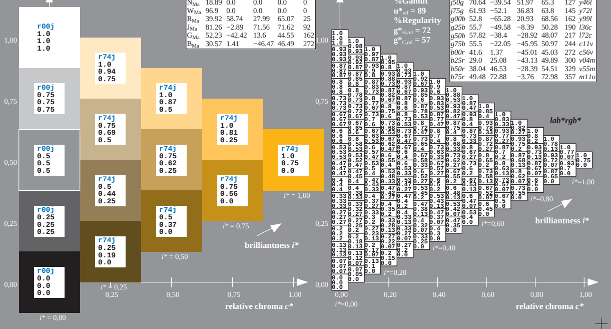
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ ***u*e = r75j***
lab*rgb*
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
*u*e = r75j u*d = o67y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



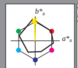
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 75 18 69
*LAB*LCH*Ma*: 75 72 75
*lab*rgb*Ma*: 1.0 0.75 0.0
*lab*olv*Ma*: 1.0 0.68 0.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data (tables as above: O_{Ma} … B_{Ma} and r00j … b75r)



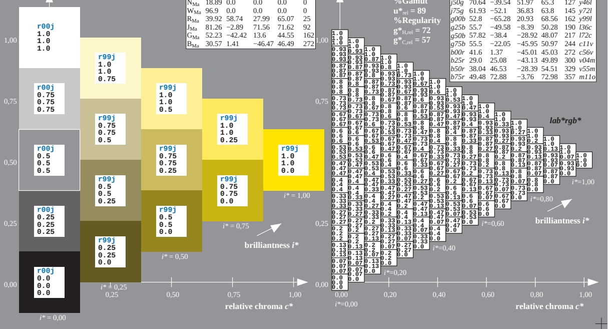
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ ***u*e = j00g***
lab*rgb*
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
*u*e = j00g u*d = o92y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



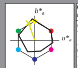
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 87 −3 83
*LAB*LCH*Ma*: 87 83 92
*lab*rgb*Ma*: 1.0 1.0 0.0
*lab*olv*Ma*: 1.0 0.93 0.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data (tables as above: O_{Ma} … B_{Ma} and r00j … b75r)



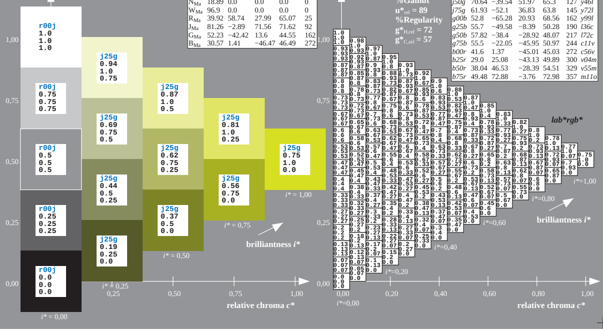
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ ***u*e = j25g***
lab*rgb*
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
*u*e = j25g u*d = y20l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



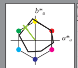
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 81 −25 69
*LAB*LCH*Ma*: 81 74 109
*lab*rgb*Ma*: 0.75 1.0 0.0
*lab*olv*Ma*: 0.8 1.0 0.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data (tables as above: O_{Ma} … B_{Ma} and r00j … b75r)



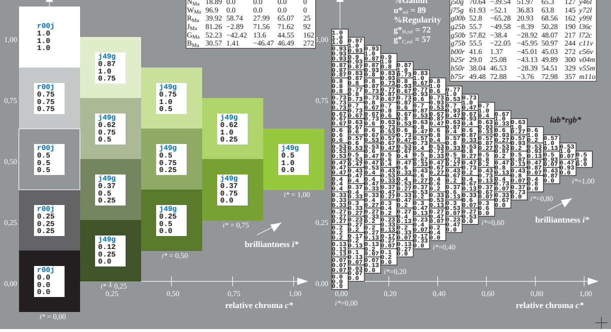
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ ***u*e = j50g***
lab*rgb*
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
*u*e = j50g u*d = y46l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



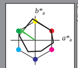
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 71 −40 52
*LAB*LCH*Ma*: 71 65 127
*lab*rgb*Ma*: 0.5 1.0 0.0
*lab*olv*Ma*: 0.54 1.0 0.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data (tables as above: O_{Ma} … B_{Ma} and r00j … b75r)



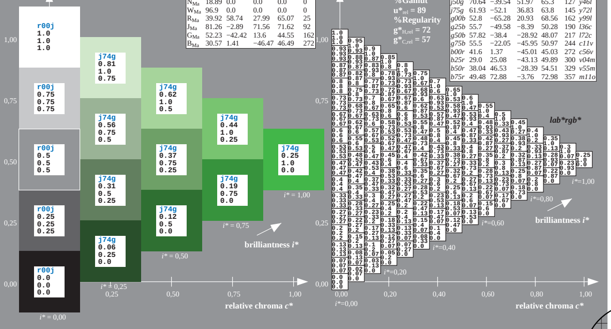
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ ***u*e = j75g***
lab*rgb*
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
*u*e = j75g u*d = y72l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



Data for maximum colour (Ma):
*LAB*LAB*Ma*: 62 −52 37
*LAB*LCH*Ma*: 62 64 144
*lab*rgb*Ma*: 0.25 1.0 0.0
*lab*olv*Ma*: 0.27 1.0 0.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data (tables as above: O_{Ma} … B_{Ma} and r00j … b75r)



BAM-test chart Ee30; Colorimetric systems, Page 4/11
D65: colour scales and 9 tables for 16 hues *r00j* to *j75g*

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

-6 -8 V L O Y M C -6 -8

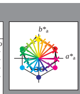
www.ps.bam.de/Ee30/10L/L30E00NP.PS/ .PDF; ORS19_96a; transfer and output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

See for similar files: http://www.ps.bam.de/Ee30/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de   Version 2.1, io=1,1, ColSpx=1

Input and output:
Colorimetric Printer Reflective System ORS19_96a
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 = 1.0

ORS19_96a; adapted (a) CIELAB data

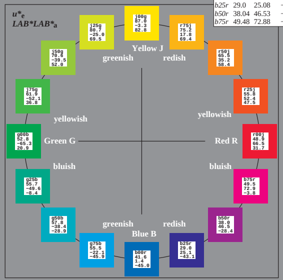
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



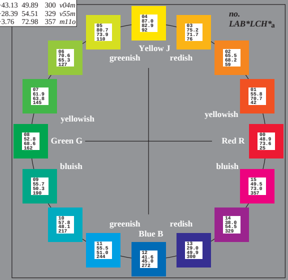
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	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



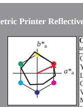
u^*_e
LAB*LAB*$_a$
j25g 80.7 −25.0 69.5
j00g 87.0 −3.3 82.8
r75j 75.2 17.8 69.4
Yellow J
greenish
redish
j50g 70.6 −39.5 52.0
r50j 65.5 35.2 58.4
j75g 61.9 −52.1 36.8
r25j 55.8 52.4 47.5
yellowish
yellowish
g00b 52.8 −65.3 20.9
Green G
Red R
r00j 48.9 66.5 31.7
bluish
bluish
g25b 55.7 −49.6 −8.4
b75r 49.5 72.9 −3.8
g50b 57.8 −38.4 −28.9
greenish
redish
b50r 38.0 46.5 −28.4
Blue B
g75b 55.5 −22.1 −45.9
b00r 41.6 1.4 −45.0
b25r 29.0 25.1 −43.1



no.
LAB*LCH*$_a$
05 80.7 73.9 110
04 87.0 82.9 92
03 75.2 71.7 76
Yellow J
greenish
redish
06 70.6 65.3 127
02 65.5 68.2 59
07 61.9 63.8 145
01 55.8 70.7 42
yellowish
yellowish
08 52.8 68.6 162
Green G
Red R
00 48.9 73.6 25
bluish
bluish
09 55.7 50.3 190
15 49.5 73.0 357
10 57.8 48.1 217
greenish
redish
14 38.0 54.5 329
Blue B
11 55.5 51.0 244
12 41.6 45.0 272
13 29.0 49.9 300

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ u^*_e = *r00j*   LAB*LAB*$_a$

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^*



ORS19_96a; adapted (a) CIELAB data

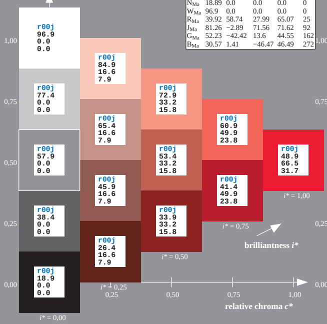
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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 74 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.15
triangle lightness t^*

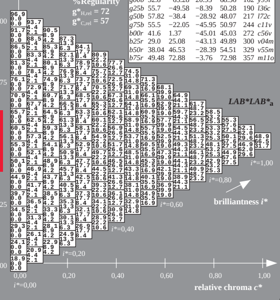
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

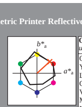


r00j 96.9 0.0 0.0
r00j 77.4 0.0 0.0
r00j 57.9 0.0 0.0
r00j 38.4 0.0 0.0
r00j 18.9 0.0 0.0
r00j 84.9 16.6 7.9
r00j 65.4 16.6 7.9
r00j 45.9 16.6 7.9
r00j 26.4 16.6 7.9
r00j 72.9 33.2 15.8
r00j 53.4 33.2 15.8
r00j 33.9 33.2 15.8
r00j 60.9 49.9 23.8
r00j 41.4 49.9 23.8
r00j 48.9 66.5 31.7
1,00
0,75
0,50
0,25
0,00
i* = 0,00
i* = 0,25
i* = 0,50
i* = 0,75
i* = 1,00
0,25
0,50
0,75
1,00
relative chroma c*
brilliantness i*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ u^*_e = *r25j*   LAB*LAB*$_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r25j* u^*_d = *o17y*
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

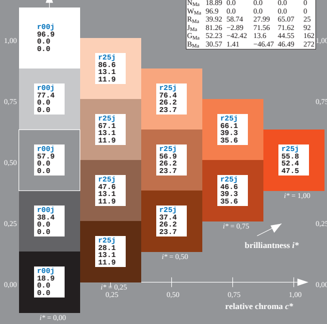
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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 52 47
*LAB*LCH**$_{Ma}$: 56 71 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.17 0.0
triangle lightness t^*

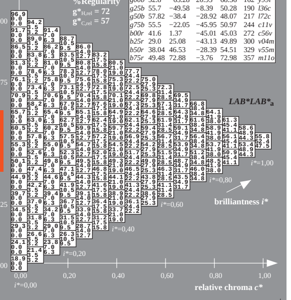
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

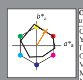


r00j 96.9 0.0 0.0
r00j 77.4 0.0 0.0
r00j 57.9 0.0 0.0
r00j 38.4 0.0 0.0
r00j 18.9 0.0 0.0
r25j 86.6 13.1 11.9
r25j 67.1 13.1 11.9
r25j 47.6 13.1 11.9
r25j 28.1 13.1 11.9
r25j 76.4 26.2 23.7
r25j 56.9 26.2 23.7
r25j 37.4 26.2 23.7
r25j 66.1 39.3 35.6
r25j 46.6 39.3 35.6
r25j 55.8 52.4 47.5
1,00
0,75
0,50
0,25
0,00
i* = 0,00
i* = 0,25
i* = 0,50
i* = 0,75
i* = 1,00
0,25
0,50
0,75
1,00
relative chroma c*
brilliantness i*



Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = *o42y*
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

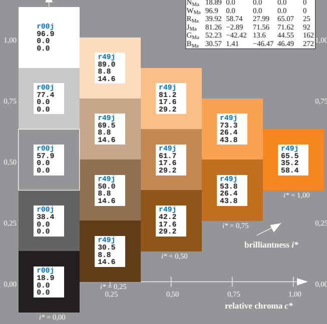
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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**$_{Ma}$: 65 35 58
*LAB*LCH**$_{Ma}$: 65 68 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.42 0.0
triangle lightness t^*

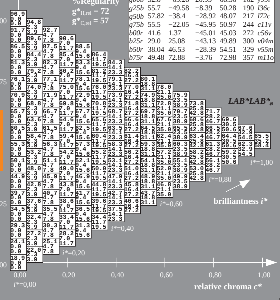
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

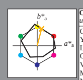


r00j 96.9 0.0 0.0
r00j 77.4 0.0 0.0
r00j 57.9 0.0 0.0
r00j 38.4 0.0 0.0
r00j 18.9 0.0 0.0
r49j 89.0 8.8 14.6
r49j 69.5 8.8 14.6
r49j 50.0 8.8 14.6
r49j 30.5 8.8 14.6
r49j 81.2 17.6 29.2
r49j 61.7 17.6 29.2
r49j 42.2 17.6 29.2
r49j 73.3 26.4 43.8
r49j 53.8 26.4 43.8
r49j 65.5 35.2 58.4
1,00
0,75
0,50
0,25
0,00
i* = 0,00
i* = 0,25
i* = 0,50
i* = 0,75
i* = 1,00
0,25
0,50
0,75
1,00
relative chroma c*
brilliantness i*



Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = *o67y*
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

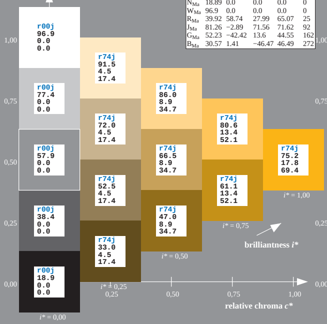
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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**$_{Ma}$: 75 18 69
*LAB*LCH**$_{Ma}$: 75 72 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.68 0.0
triangle lightness t^*

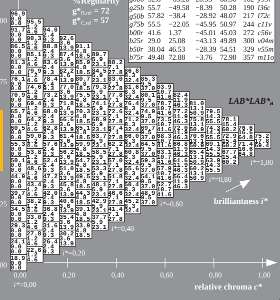
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

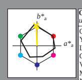


r00j 96.9 0.0 0.0
r00j 77.4 0.0 0.0
r00j 57.9 0.0 0.0
r00j 38.4 0.0 0.0
r00j 18.9 0.0 0.0
r74j 91.5 4.5 17.4
r74j 72.0 4.5 17.4
r74j 52.5 4.5 17.4
r74j 33.0 4.5 17.4
r74j 86.0 8.9 34.7
r74j 66.5 8.9 34.7
r74j 47.0 8.9 34.7
r74j 80.6 13.4 52.1
r74j 61.1 13.4 52.1
r74j 75.2 17.8 69.4
1,00
0,75
0,50
0,25
0,00
i* = 0,00
i* = 0,25
i* = 0,50
i* = 0,75
i* = 1,00
0,25
0,50
0,75
1,00
relative chroma c*
brilliantness i*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ u^*_e = *j00g*   LAB*LAB*$_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j00g* u^*_d = *o92y*
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

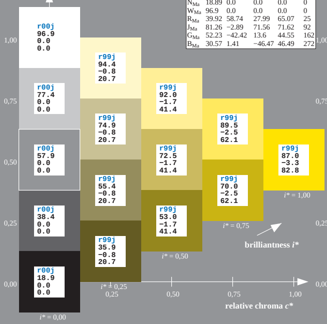
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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**$_{Ma}$: 87 −3 83
*LAB*LCH**$_{Ma}$: 87 83 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.93 0.0
triangle lightness t^*

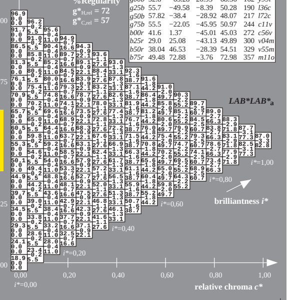
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

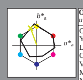


r00j 96.9 0.0 0.0
r00j 77.4 0.0 0.0
r00j 57.9 0.0 0.0
r00j 38.4 0.0 0.0
r00j 18.9 0.0 0.0
r99j 94.4 −0.8 20.7
r99j 74.9 −0.8 20.7
r99j 55.4 −0.8 20.7
r99j 35.9 −0.8 20.7
r99j 92.0 −1.7 41.4
r99j 72.5 −1.7 41.4
r99j 53.0 −1.7 41.4
r99j 89.5 −2.5 62.1
r99j 70.0 −2.5 62.1
r99j 87.0 −3.3 82.8
1,00
0,75
0,50
0,25
0,00
i* = 0,00
i* = 0,25
i* = 0,50
i* = 0,75
i* = 1,00
0,25
0,50
0,75
1,00
relative chroma c*
brilliantness i*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ u^*_e = *j25g*   LAB*LAB*$_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j25g* u^*_d = *y20l*
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

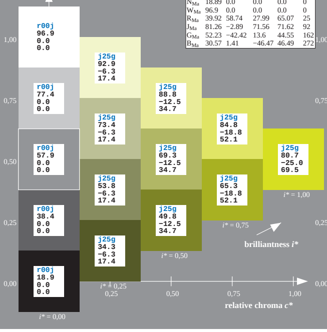
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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**$_{Ma}$: 81 −25 69
*LAB*LCH**$_{Ma}$: 81 74 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.8 1.0 0.0
triangle lightness t^*

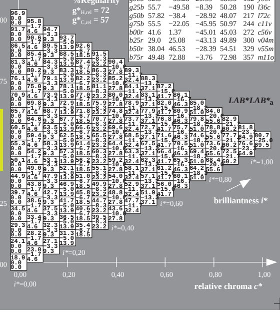
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

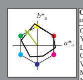


r00j 96.9 0.0 0.0
r00j 77.4 0.0 0.0
r00j 57.9 0.0 0.0
r00j 38.4 0.0 0.0
r00j 18.9 0.0 0.0
j25g 92.9 −6.3 17.4
j25g 73.4 −6.3 17.4
j25g 53.8 −6.3 17.4
j25g 34.3 −6.3 17.4
j25g 88.8 −12.5 34.7
j25g 69.3 −12.5 34.7
j25g 49.8 −12.5 34.7
j25g 84.8 −18.8 52.1
j25g 65.3 −18.8 52.1
j25g 80.7 −25.0 69.5
1,00
0,75
0,50
0,25
0,00
i* = 0,00
i* = 0,25
i* = 0,50
i* = 0,75
i* = 1,00
0,25
0,50
0,75
1,00
relative chroma c*
brilliantness i*



Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = *y46l*
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

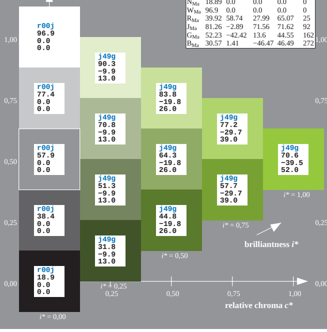
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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**$_{Ma}$: 71 −40 52
*LAB*LCH**$_{Ma}$: 71 65 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.54 1.0 0.0
triangle lightness t^*

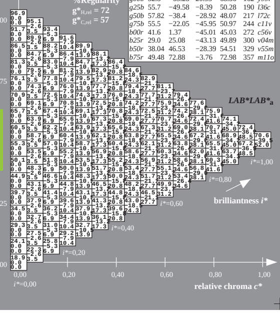
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

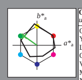


r00j 96.9 0.0 0.0
r00j 77.4 0.0 0.0
r00j 57.9 0.0 0.0
r00j 38.4 0.0 0.0
r00j 18.9 0.0 0.0
j49g 90.3 −9.9 13.0
j49g 70.8 −9.9 13.0
j49g 51.3 −9.9 13.0
j49g 31.8 −9.9 13.0
j49g 83.8 −19.8 26.0
j49g 64.3 −19.8 26.0
j49g 44.8 −19.8 26.0
j49g 77.2 −29.7 39.0
j49g 57.7 −29.7 39.0
j49g 70.6 −39.5 52.0
1,00
0,75
0,50
0,25
0,00
i* = 0,00
i* = 0,25
i* = 0,50
i* = 0,75
i* = 1,00
0,25
0,50
0,75
1,00
relative chroma c*
brilliantness i*



Input and output: Colorimetric Printer Reflective System ORS19_96a 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 = *y72l*
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

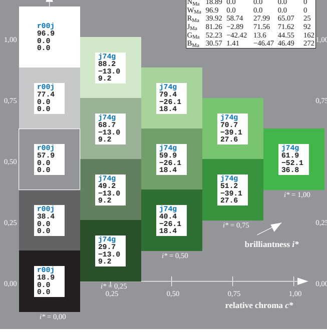
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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**$_{Ma}$: 62 −52 37
*LAB*LCH**$_{Ma}$: 62 64 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.27 1.0 0.0
triangle lightness t^*

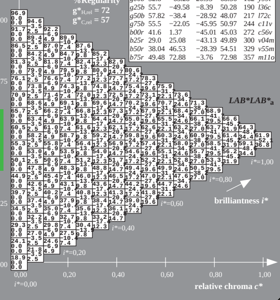
%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



r00j 96.9 0.0 0.0
r00j 77.4 0.0 0.0
r00j 57.9 0.0 0.0
r00j 38.4 0.0 0.0
r00j 18.9 0.0 0.0
j74g 88.2 −13.0 9.2
j74g 68.7 −13.0 9.2
j74g 49.2 −13.0 9.2
j74g 29.7 −13.0 9.2
j74g 79.4 −26.1 18.4
j74g 59.9 −26.1 18.4
j74g 40.4 −26.1 18.4
j74g 70.7 −39.1 27.6
j74g 51.2 −39.1 27.6
j74g 61.9 −52.1 36.8
1,00
0,75
0,50
0,25
0,00
i* = 0,00
i* = 0,25
i* = 0,50
i* = 0,75
i* = 1,00
0,25
0,50
0,75
1,00
relative chroma c*
brilliantness i*



BAM registration: 20080901-Ee30/10L/L30E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta

BAM-test chart Ee30; Colorimetric systems, Page 5/11
D65: colour scales and 9 tables for 16 hues *r00j* to *j75g*

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

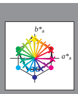
-8 -6 C M Y O L V -8 -6

www.ps.bam.de/Ee30/10L/L30E00NP.PS/ .PDF; ORS19_96a; transfer and output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

See for similar files: http://www.ps.bam.de/Ee30/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

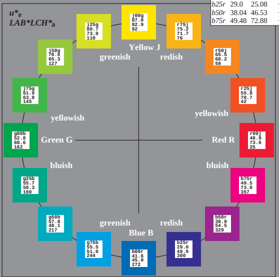
Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
u$_e$ and number *no.* = 00 .. 15
elementary hue text:
u$_e$ = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 1.0

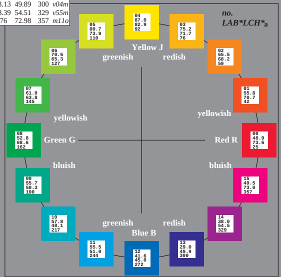
ORS19_96a; adapted (a) CIELAB data						
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	*u*$_d$
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



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

ORS19_96a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	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

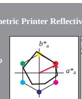




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.071

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u$_e$ = *r00j* *u*$_d$ = *m84o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

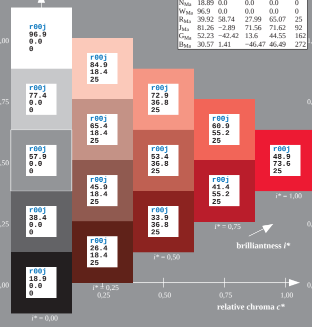


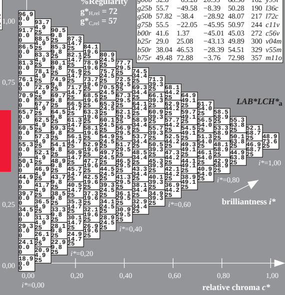
ORS19_96a; adapted (a) CIELAB data					
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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 74 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} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data						
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	*u*$_d$
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

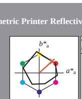




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.117

u$_e$ = *r25j*
*LAB*LCH*$_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u$_e$ = *r25j* *u*$_d$ = *o17y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

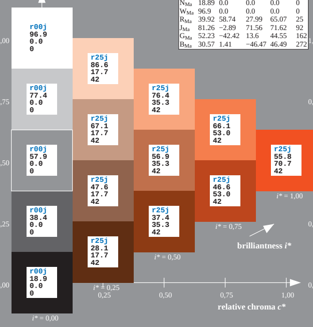


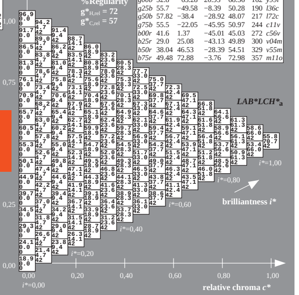
ORS19_96a; adapted (a) CIELAB data					
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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 52 47
*LAB*LCH*$_{Ma}$: 56 71 42
*lab*rgb*$_{Ma}$: 1.0 0.25 0.0
*lab*olv*$_{Ma}$: 1.0 0.17 0.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data						
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	*u*$_d$
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

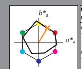




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.164

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u$_e$ = *r50j* *u*$_d$ = *o42y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

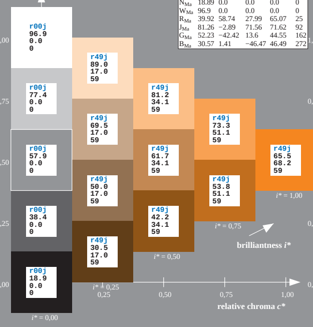


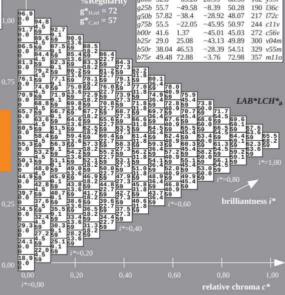
ORS19_96a; adapted (a) CIELAB data					
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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*$_{Ma}$: 65 35 58
*LAB*LCH*$_{Ma}$: 65 68 58
*lab*rgb*$_{Ma}$: 1.0 0.5 0.0
*lab*olv*$_{Ma}$: 1.0 0.42 0.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data						
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	*u*$_d$
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

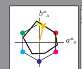




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.21

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u$_e$ = *r75j* *u*$_d$ = *o67y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

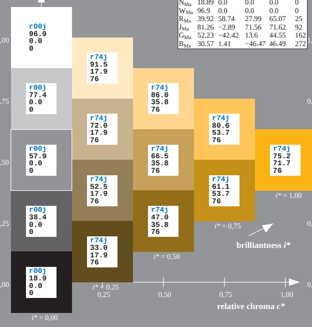


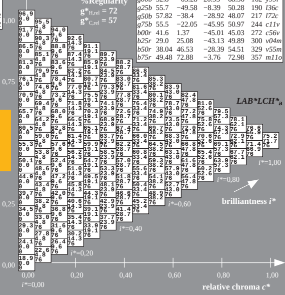
ORS19_96a; adapted (a) CIELAB data					
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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*$_{Ma}$: 75 18 69
*LAB*LCH*$_{Ma}$: 75 72 75
*lab*rgb*$_{Ma}$: 1.0 0.75 0.0
*lab*olv*$_{Ma}$: 1.0 0.68 0.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data						
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	*u*$_d$
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

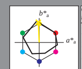




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.256

u$_e$ = *j00g*
*LAB*LCH*$_a$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u$_e$ = *j00g* *u*$_d$ = *o92y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

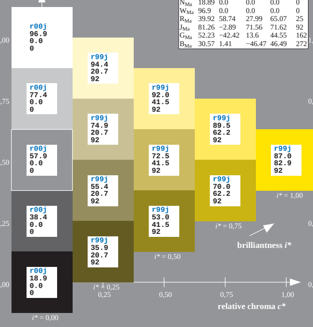


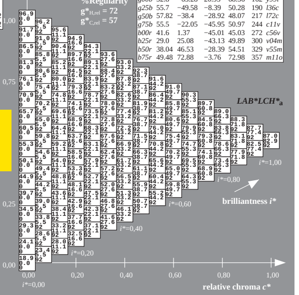
ORS19_96a; adapted (a) CIELAB data					
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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*$_{Ma}$: 87 −3 83
*LAB*LCH*$_{Ma}$: 87 83 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} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data						
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	*u*$_d$
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

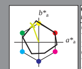




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.305

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u$_e$ = *j25g* *u*$_d$ = *y20l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

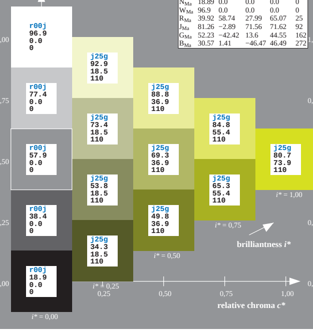


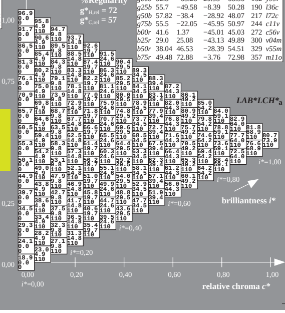
ORS19_96a; adapted (a) CIELAB data					
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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*$_{Ma}$: 81 −25 69
*LAB*LCH*$_{Ma}$: 81 74 109
*lab*rgb*$_{Ma}$: 0.75 1.0 0.0
*lab*olv*$_{Ma}$: 0.8 1.0 0.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data						
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	*u*$_d$
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

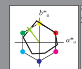




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.354

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u$_e$ = *j50g* *u*$_d$ = *y46l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

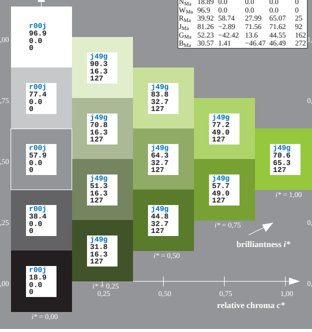


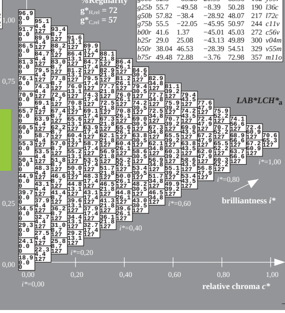
ORS19_96a; adapted (a) CIELAB data					
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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*$_{Ma}$: 71 −40 52
*LAB*LCH*$_{Ma}$: 71 65 127
*lab*rgb*$_{Ma}$: 0.5 1.0 0.0
*lab*olv*$_{Ma}$: 0.54 1.0 0.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data						
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	*u*$_d$
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

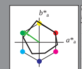




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.402

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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u$_e$ = *j75g* *u*$_d$ = *y72l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

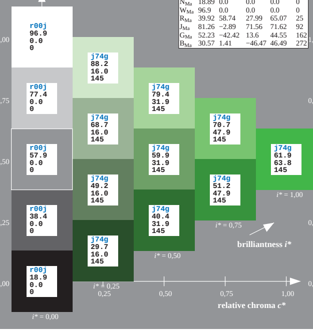


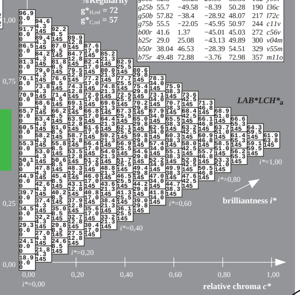
ORS19_96a; adapted (a) CIELAB data					
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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*$_{Ma}$: 62 −52 37
*LAB*LCH*$_{Ma}$: 62 64 144
*lab*rgb*$_{Ma}$: 0.25 1.0 0.0
*lab*olv*$_{Ma}$: 0.27 1.0 0.0
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data						
u$_e$	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	*u*$_d$
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





BAM registration: 20080901-Ee30/10L/L30E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta

BAM-test chart Ee30; Colorimetric systems, Page 6/11
D65: colour scales and 9 tables for 16 hues *r00j* to *j75g*

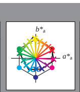
input: *000n / w / nnn0 / www set...*
output: *−>cmyn6* setcmykcolor*

See for similar files: http://www.ps.bam.de/Ee30/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

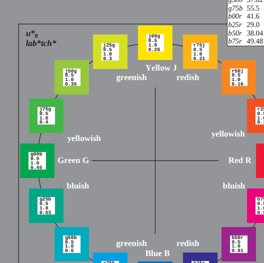
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

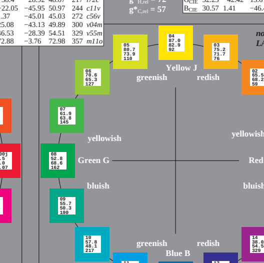


%Gamut
$u^*_{rel} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

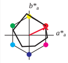
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	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 ORS19_96a for relative CIELAB hue $h^* = lab{*}h^* = h_{ab}/360 = 0.071$
$u^*_e = r00j$
*lab*tch**

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^*



ORS19_96a; adapted (a) CIELAB data

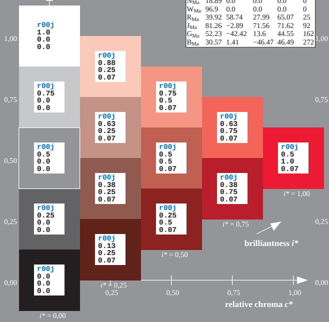
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

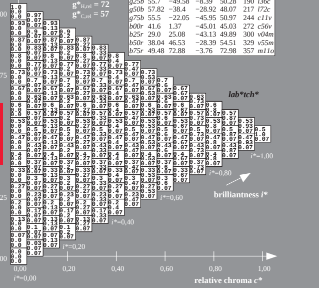
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 66 32
*LAB*LCH**$_{Ma}$: 49 74 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.15
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

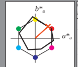
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab{*}h^* = h_{ab}/360 = 0.117$
$u^*_e = r25j$
*lab*tch**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r25j$ $u^*_d = o17y$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

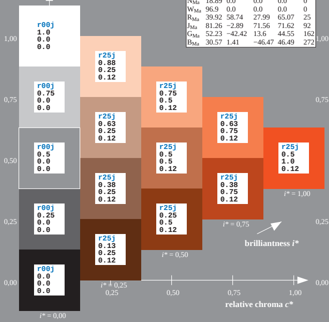
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

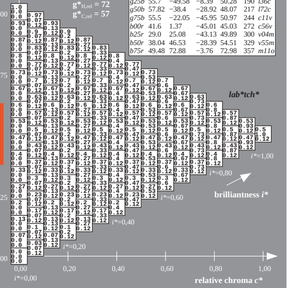
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 56 52 47
*LAB*LCH**$_{Ma}$: 56 71 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.17 0.0
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

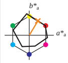
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab{*}h^* = h_{ab}/360 = 0.164$
$u^*_e = r50j$
*lab*tch**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r50j$ $u^*_d = o42y$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

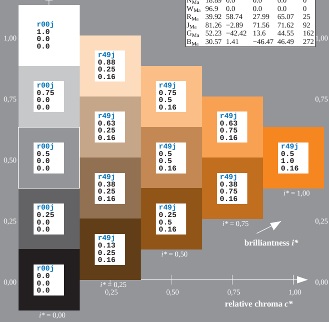
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

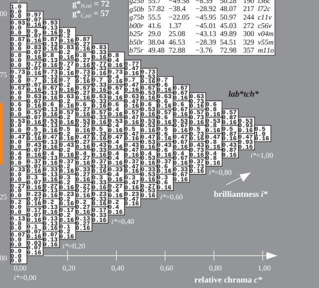
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 65 35 58
*LAB*LCH**$_{Ma}$: 65 68 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.42 0.0
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

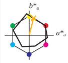
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab{*}h^* = h_{ab}/360 = 0.21$
$u^*_e = r75j$
*lab*tch**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r75j$ $u^*_d = o67y$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

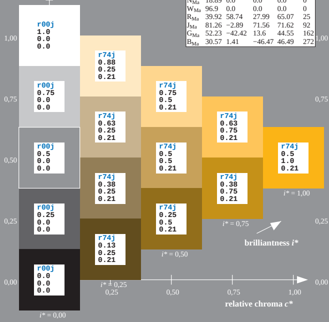
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

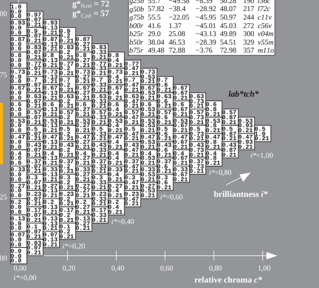
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 75 18 69
*LAB*LCH**$_{Ma}$: 75 72 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.68 0.0
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

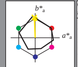
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab{*}h^* = h_{ab}/360 = 0.256$
$u^*_e = j00g$
*lab*tch**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j00g$ $u^*_d = o92y$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

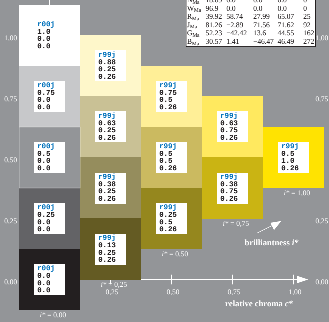
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

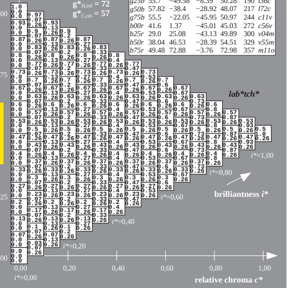
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 87 −3 83
*LAB*LCH**$_{Ma}$: 87 83 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.93 0.0
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

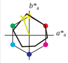
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab{*}h^* = h_{ab}/360 = 0.305$
$u^*_e = j25g$
*lab*tch**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j25g$ $u^*_d = y20l$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

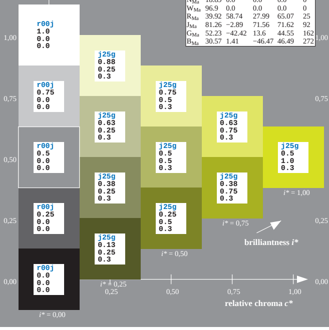
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

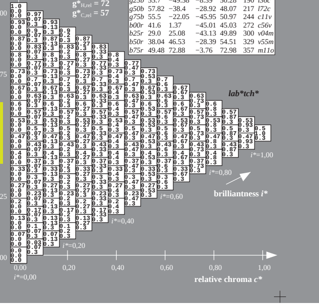
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 81 −25 69
*LAB*LCH**$_{Ma}$: 81 74 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.8 1.0 0.0
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

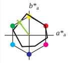
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab{*}h^* = h_{ab}/360 = 0.354$
$u^*_e = j50g$
*lab*tch**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j50g$ $u^*_d = y46l$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

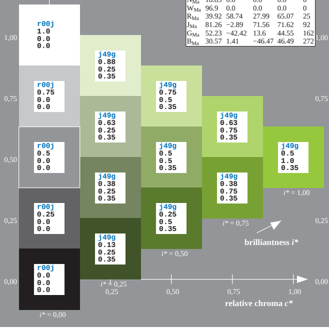
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

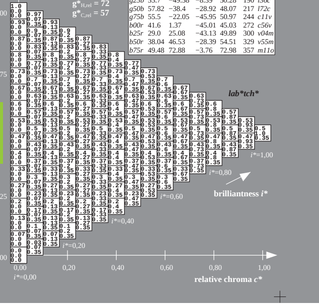
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 71 −40 52
*LAB*LCH**$_{Ma}$: 71 65 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.54 1.0 0.0
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

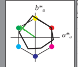
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab{*}h^* = h_{ab}/360 = 0.402$
$u^*_e = j75g$
*lab*tch**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j75g$ $u^*_d = y72l$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

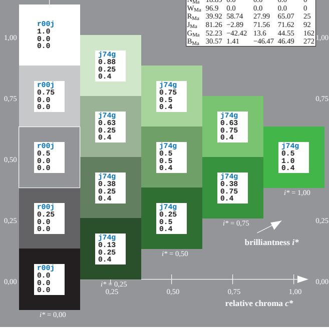
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

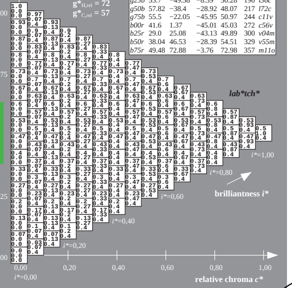
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 62 −52 37
*LAB*LCH**$_{Ma}$: 62 64 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.27 1.0 0.0
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





BAM registration: 20080901-Ee30/10L/L30E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta

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

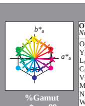
www.ps.bam.de/Ee30/10L/L30E00NP.PS/ .PDF; ORS19_96a; transfer and output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

See for similar files: http://www.ps.bam.de/Ee30/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

Input and output:
Colorimetric Printer Reflective System ORS19_96a
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 = 1.0

ORS19_96a; adapted (a) CIELAB data

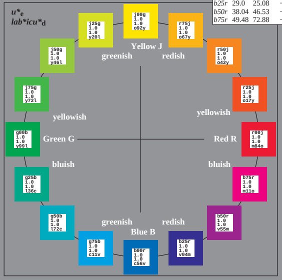
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

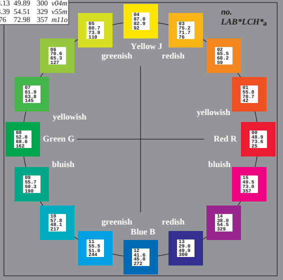


%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; adapted (a) CIELAB data

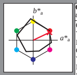
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	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 ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ **$u^*_e = r00j$** **$lab^*icu^*_d$**

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^*



ORS19_96a; adapted (a) CIELAB data

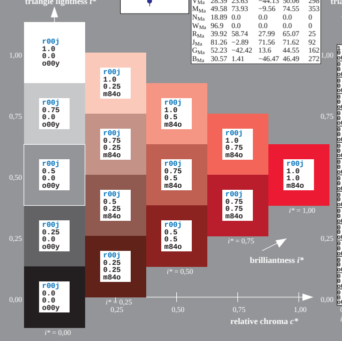
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

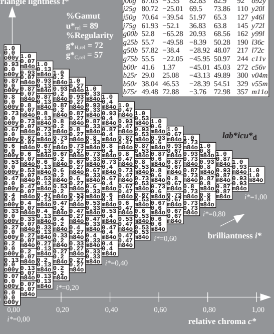
Data for maximum colour (Ma):
***$LAB^*LAB^*_{Ma}$*: 49 66 32**
***$LAB^*LCH^*_{Ma}$*: 49 74 25**
***$lab^*rgb^*_{Ma}$*: 1.0 0.0 0.0**
***$lab^*olv^*_{Ma}$*: 1.0 0.0 0.15**
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

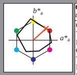
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ **$u^*_e = r25j$** **$lab^*icu^*_d$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = r25j$ $u^*_d = o17y$
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

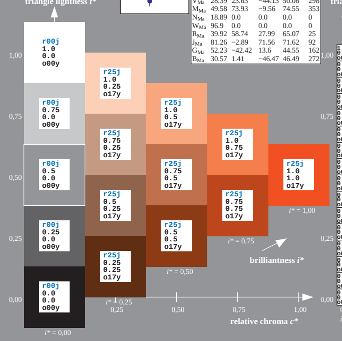
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

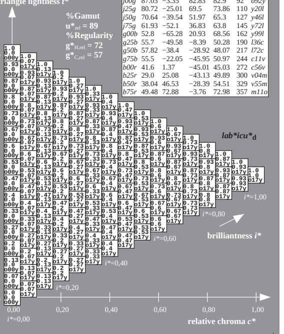
Data for maximum colour (Ma):
***$LAB^*LAB^*_{Ma}$*: 56 52 47**
***$LAB^*LCH^*_{Ma}$*: 56 71 42**
***$lab^*rgb^*_{Ma}$*: 1.0 0.25 0.0**
***$lab^*olv^*_{Ma}$*: 1.0 0.17 0.0**
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

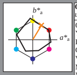
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ **$u^*_e = r50j$** **$lab^*icu^*_d$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = r50j$ $u^*_d = o42y$
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

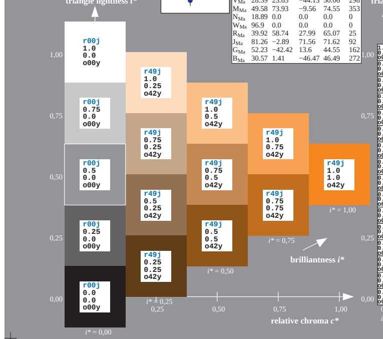
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

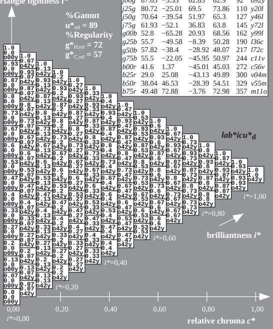
Data for maximum colour (Ma):
***$LAB^*LAB^*_{Ma}$*: 65 35 58**
***$LAB^*LCH^*_{Ma}$*: 65 68 58**
***$lab^*rgb^*_{Ma}$*: 1.0 0.5 0.0**
***$lab^*olv^*_{Ma}$*: 1.0 0.42 0.0**
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

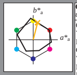
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ **$u^*_e = r75j$** **$lab^*icu^*_d$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = r75j$ $u^*_d = o67y$
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

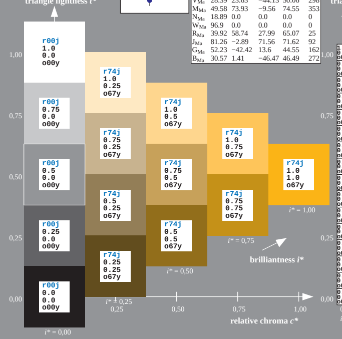
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

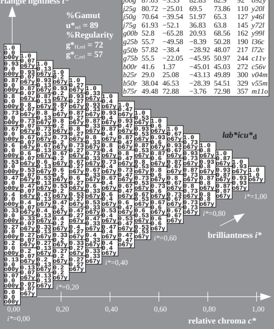
Data for maximum colour (Ma):
***$LAB^*LAB^*_{Ma}$*: 75 18 69**
***$LAB^*LCH^*_{Ma}$*: 75 72 75**
***$lab^*rgb^*_{Ma}$*: 1.0 0.75 0.0**
***$lab^*olv^*_{Ma}$*: 1.0 0.68 0.0**
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

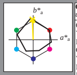
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ **$u^*_e = j00g$** **$lab^*icu^*_d$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = j00g$ $u^*_d = o92y$
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

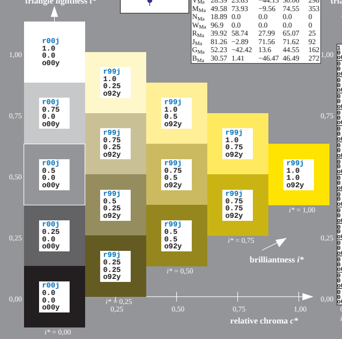
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

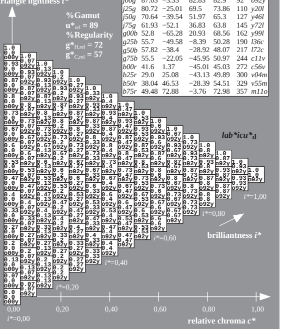
Data for maximum colour (Ma):
***$LAB^*LAB^*_{Ma}$*: 87 −3 83**
***$LAB^*LCH^*_{Ma}$*: 87 83 92**
***$lab^*rgb^*_{Ma}$*: 1.0 1.0 0.0**
***$lab^*olv^*_{Ma}$*: 1.0 0.93 0.0**
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

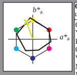
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ **$u^*_e = j25g$** **$lab^*icu^*_d$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = j25g$ $u^*_d = y20l$
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

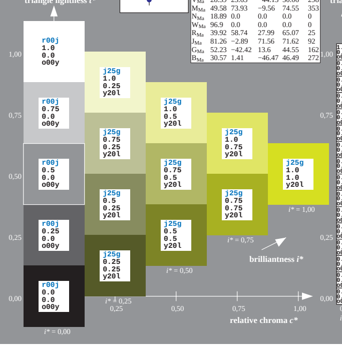
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

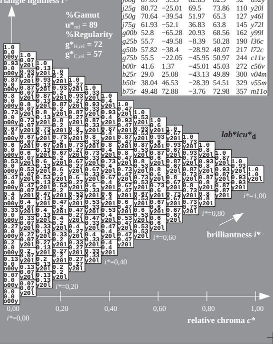
Data for maximum colour (Ma):
***$LAB^*LAB^*_{Ma}$*: 81 −25 69**
***$LAB^*LCH^*_{Ma}$*: 81 74 109**
***$lab^*rgb^*_{Ma}$*: 0.75 1.0 0.0**
***$lab^*olv^*_{Ma}$*: 0.8 1.0 0.0**
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

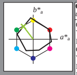
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ **$u^*_e = j50g$** **$lab^*icu^*_d$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = j50g$ $u^*_d = y46l$
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

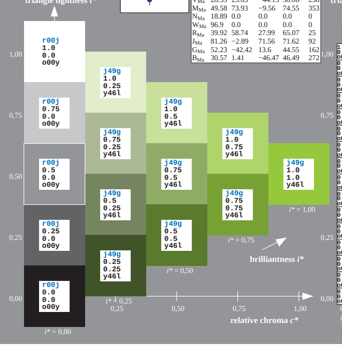
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

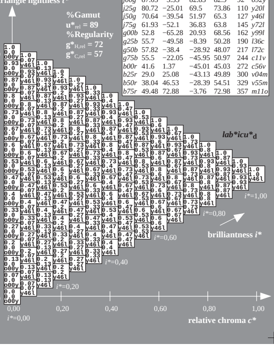
Data for maximum colour (Ma):
***$LAB^*LAB^*_{Ma}$*: 71 −40 52**
***$LAB^*LCH^*_{Ma}$*: 71 65 127**
***$lab^*rgb^*_{Ma}$*: 0.5 1.0 0.0**
***$lab^*olv^*_{Ma}$*: 0.54 1.0 0.0**
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

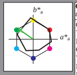
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$u^*_e = j75g$ $u^*_d = y72l$
contrast reduction factor:
c_R = 1.0
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

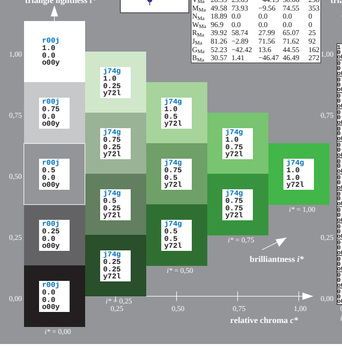
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	−10.29	87.24	87.85	97
L_{Ma}	52.69	−65.44	20.75	68.65	162
C_{Ma}	59.61	−28.98	−46.22	54.56	238
V_{Ma}	28.39	23.63	−44.13	50.06	298
M_{Ma}	49.58	73.93	−9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
R_{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

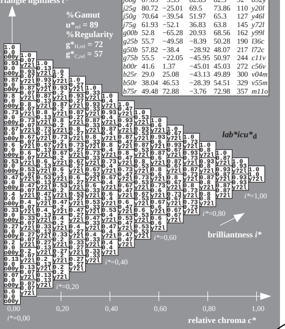
Data for maximum colour (Ma):
***$LAB^*LAB^*_{Ma}$*: 62 −52 37**
***$LAB^*LCH^*_{Ma}$*: 62 64 144**
***$lab^*rgb^*_{Ma}$*: 0.25 1.0 0.0**
***$lab^*olv^*_{Ma}$*: 0.27 1.0 0.0**
triangle lightness t^*

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





BAM registration: 20080901-Ee30/10L/L30E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta

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

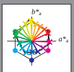
www.ps.bam.de/Ee30/10L/L30E00NP.PS/ .PDF; ORS19_96a; transfer and output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

See for similar files: http://www.ps.bam.de/Ee30/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:
u^*_e and number no. = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

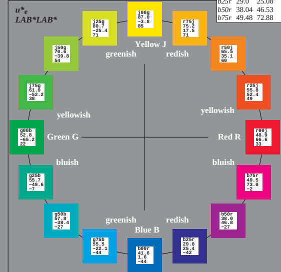
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

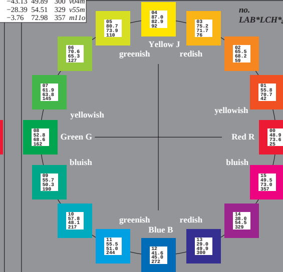


%Gamut
$u^*_{rel} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

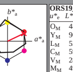
ORS19_96; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
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 ORS19_96a 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:
$u^*_e = r00j$ $u^*_d = m84o$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t*



ORS19_96; CIELAB data

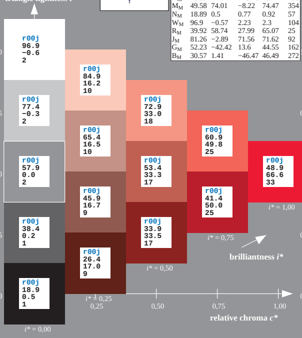
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

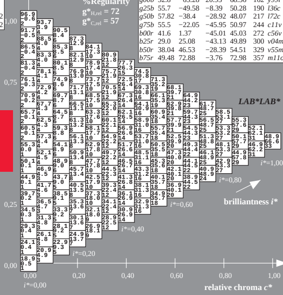
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$*: 49 66 32
*LAB*LCH*$_{Ma}$*: 49 74 25
*lab*rgb*$_{Ma}$*: 1.0 0.0 0.0
*lab*olv*$_{Ma}$*: 1.0 0.0 0.15
triangle lightness t*

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

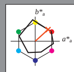
ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$u^*_e = r25j$ $u^*_d = o17y$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t*



ORS19_96; CIELAB data

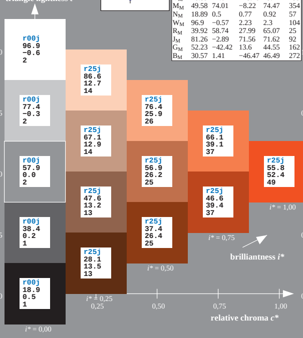
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

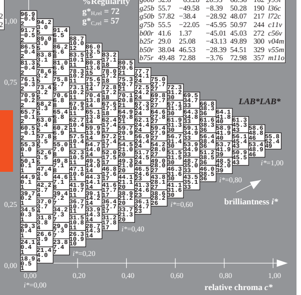
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$*: 56 52 47
*LAB*LCH*$_{Ma}$*: 56 71 42
*lab*rgb*$_{Ma}$*: 1.0 0.25 0.0
*lab*olv*$_{Ma}$*: 1.0 0.17 0.0
triangle lightness t*

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

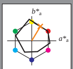
ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$u^*_e = r50j$ $u^*_d = o42y$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t*



ORS19_96; CIELAB data

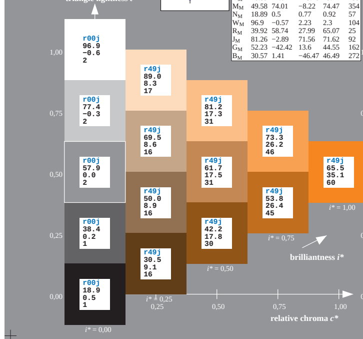
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

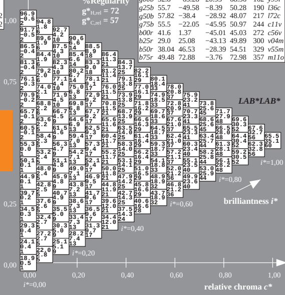
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$*: 65 35 58
*LAB*LCH*$_{Ma}$*: 65 68 58
*lab*rgb*$_{Ma}$*: 1.0 0.5 0.0
*lab*olv*$_{Ma}$*: 1.0 0.42 0.0
triangle lightness t*

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

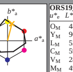
ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$u^*_e = r75j$ $u^*_d = o67y$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t*



ORS19_96; CIELAB data

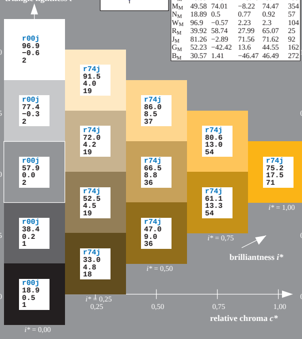
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

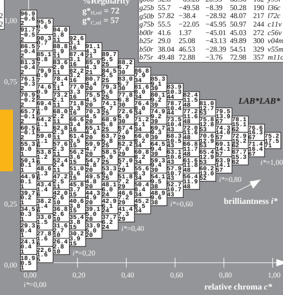
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$*: 75 18 69
*LAB*LCH*$_{Ma}$*: 75 72 75
*lab*rgb*$_{Ma}$*: 1.0 0.75 0.0
*lab*olv*$_{Ma}$*: 1.0 0.68 0.0
triangle lightness t*

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

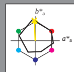
ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$c_R = 1.0$
triangle lightness t*



ORS19_96; CIELAB data

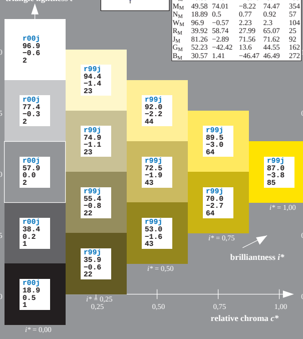
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

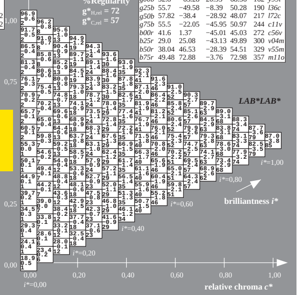
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$*: 87 −3 83
*LAB*LCH*$_{Ma}$*: 87 83 92
*lab*rgb*$_{Ma}$*: 1.0 1.0 0.0
*lab*olv*$_{Ma}$*: 1.0 0.93 0.0
triangle lightness t*

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

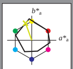
ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$u^*_e = j25g$ $u^*_d = y20l$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t*



ORS19_96; CIELAB data

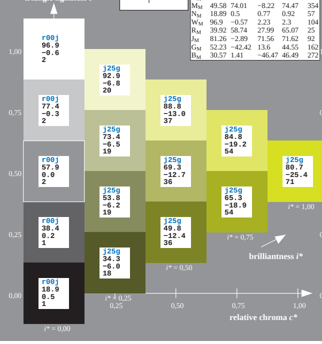
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

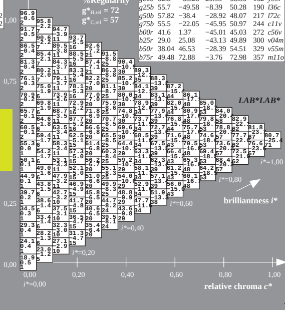
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$*: 81 −25 69
*LAB*LCH*$_{Ma}$*: 81 74 109
*lab*rgb*$_{Ma}$*: 0.75 1.0 0.0
*lab*olv*$_{Ma}$*: 0.8 1.0 0.0
triangle lightness t*

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

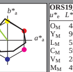
ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$u^*_e = j50g$ $u^*_d = y46l$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t*



ORS19_96; CIELAB data

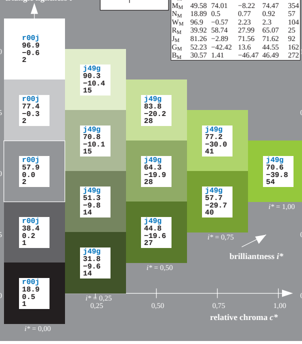
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

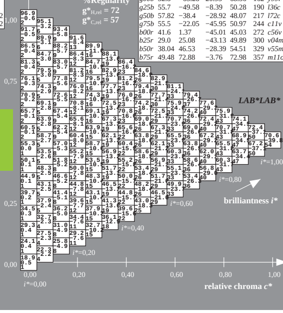
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$*: 71 −40 52
*LAB*LCH*$_{Ma}$*: 71 65 127
*lab*rgb*$_{Ma}$*: 0.5 1.0 0.0
*lab*olv*$_{Ma}$*: 0.54 1.0 0.0
triangle lightness t*

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

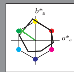
ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





Input and output: Colorimetric Printer Reflective System ORS19_96a 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:
$u^*_e = j75g$ $u^*_d = y72l$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t*



ORS19_96; CIELAB data

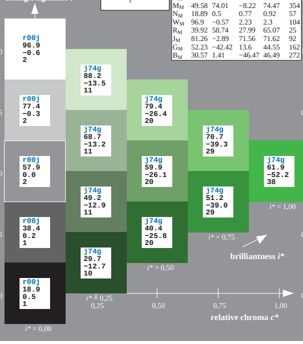
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

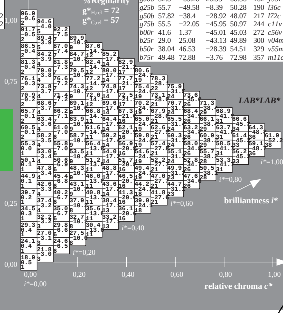
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$*: 62 −52 37
*LAB*LCH*$_{Ma}$*: 62 64 144
*lab*rgb*$_{Ma}$*: 0.25 1.0 0.0
*lab*olv*$_{Ma}$*: 0.27 1.0 0.0
triangle lightness t*

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o





BAM registration: 20080901-Ee30/10L/L30E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta

BAM-test chart Ee30; Colorimetric systems, Page 9/11
D65: colour scales and 9 tables for 16 hues *r00j* to *j75g*

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

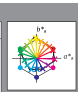
www.ps.bam.de/Ee30/10L/L30E00NP.PS/ .PDF; ORS19_96a; transfer and output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

See for similar files: http://www.ps.bam.de/Ee30/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

Input and output:
Colorimetric Printer Reflective System ORS19_96a
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 = 1.0

ORS19_96a; adapted (a) CIELAB data

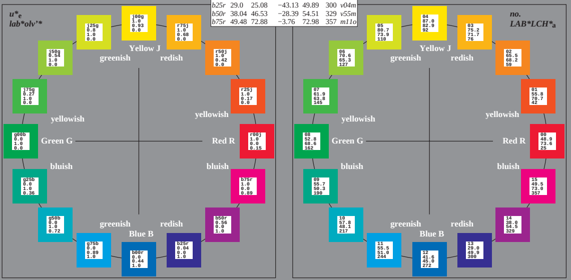
u*e	L*=L*a	a*a	b*a	C*ab,a	h*ab,a	u*d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o



%Gamut
u*rel = 89
%Regularity
g*H,rel = 72
g*C,rel = 57

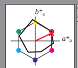
ORS19_96a; CIELAB data

Name	L*=L*	a*	b*	C*ab	h*ab
OM	48.75	65.16	40.76	76.86	32
YM	90.92	−10.78	89.36	90.01	97
LM	52.69	−65.4	22.15	69.05	161
CM	59.61	−29.04	−44.69	53.3	237
VM	28.39	24.0	−43.18	49.4	299
MM	49.58	74.01	−8.22	74.47	354
NM	18.89	0.5	0.77	0.92	57
WM	96.9	−0.57	2.23	2.3	104
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	−2.89	71.56	71.62	92
GCIE	52.23	−42.42	13.6	44.55	162
BCIE	30.57	1.41	−46.47	46.49	272



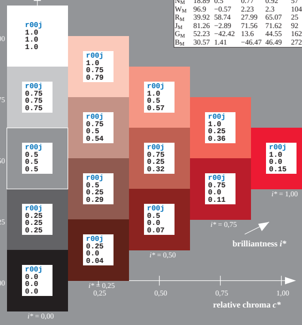
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071** ***u***$_e$ = r00j*
*lab*olv'**

data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u$_e$ = r00j u*$_d$ = m84o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



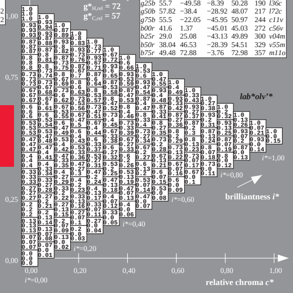
ORS19_96a; CIELAB data

u*e	L*=L*	a*	b*	C*ab	h*ab
OM	48.75	65.16	40.76	76.86	32
YM	90.92	−10.78	89.36	90.01	97
LM	52.69	−65.4	22.15	69.05	161
CM	59.61	−29.04	−44.69	53.3	237
VM	28.39	24.0	−43.18	49.4	299
MM	49.58	74.01	−8.22	74.47	354
NM	18.89	0.5	0.77	0.92	57
WM	96.9	−0.57	2.23	2.3	104
RM	39.92	58.74	27.99	65.07	25
JM	81.26	−2.89	71.56	71.62	92
GM	52.23	−42.42	13.6	44.55	162
BM	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 66 32
*LAB*LCH**$_{Ma}$: 49 74 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 = 89
%Regularity
g*H,rel = 72
g*C,rel = 57

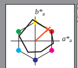


ORS19_96a; adapted (a) CIELAB data

u*e	L*=L*a	a*a	b*a	C*ab,a	h*ab,a	u*d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

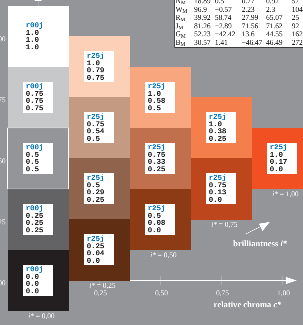
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117** ***u***$_e$ = r25j*
*lab*olv'**

data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u$_e$ = r25j u*$_d$ = o17y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



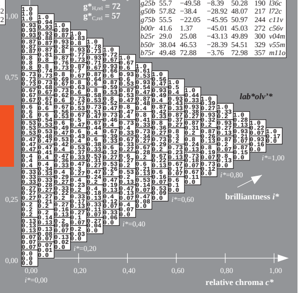
ORS19_96a; CIELAB data

u*e	L*=L*	a*	b*	C*ab	h*ab
OM	48.75	65.16	40.76	76.86	32
YM	90.92	−10.78	89.36	90.01	97
LM	52.69	−65.4	22.15	69.05	161
CM	59.61	−29.04	−44.69	53.3	237
VM	28.39	24.0	−43.18	49.4	299
MM	49.58	74.01	−8.22	74.47	354
NM	18.89	0.5	0.77	0.92	57
WM	96.9	−0.57	2.23	2.3	104
RM	39.92	58.74	27.99	65.07	25
JM	81.26	−2.89	71.56	71.62	92
GM	52.23	−42.42	13.6	44.55	162
BM	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 56 52 47
*LAB*LCH**$_{Ma}$: 56 71 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.17 0.0
triangle lightness *t**

%Gamut
u*rel = 89
%Regularity
g*H,rel = 72
g*C,rel = 57

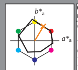


ORS19_96a; adapted (a) CIELAB data

u*e	L*=L*a	a*a	b*a	C*ab,a	h*ab,a	u*d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

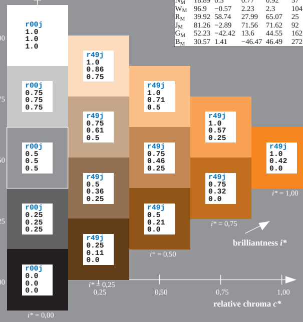
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164** ***u***$_e$ = r50j*
*lab*olv'**

data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u$_e$ = r50j u*$_d$ = o42y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



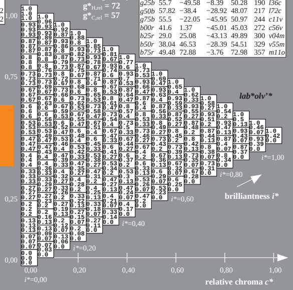
ORS19_96a; CIELAB data

u*e	L*=L*	a*	b*	C*ab	h*ab
OM	48.75	65.16	40.76	76.86	32
YM	90.92	−10.78	89.36	90.01	97
LM	52.69	−65.4	22.15	69.05	161
CM	59.61	−29.04	−44.69	53.3	237
VM	28.39	24.0	−43.18	49.4	299
MM	49.58	74.01	−8.22	74.47	354
NM	18.89	0.5	0.77	0.92	57
WM	96.9	−0.57	2.23	2.3	104
RM	39.92	58.74	27.99	65.07	25
JM	81.26	−2.89	71.56	71.62	92
GM	52.23	−42.42	13.6	44.55	162
BM	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 65 35 58
*LAB*LCH**$_{Ma}$: 65 68 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.42 0.0
triangle lightness *t**

%Gamut
u*rel = 89
%Regularity
g*H,rel = 72
g*C,rel = 57

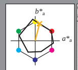


ORS19_96a; adapted (a) CIELAB data

u*e	L*=L*a	a*a	b*a	C*ab,a	h*ab,a	u*d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

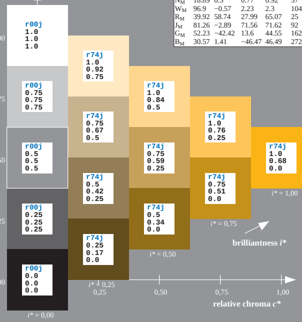
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21** ***u***$_e$ = r75j*
*lab*olv'**

data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u$_e$ = r75j u*$_d$ = o67y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



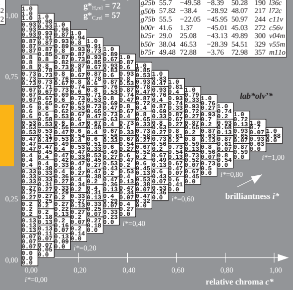
ORS19_96a; CIELAB data

u*e	L*=L*	a*	b*	C*ab	h*ab
OM	48.75	65.16	40.76	76.86	32
YM	90.92	−10.78	89.36	90.01	97
LM	52.69	−65.4	22.15	69.05	161
CM	59.61	−29.04	−44.69	53.3	237
VM	28.39	24.0	−43.18	49.4	299
MM	49.58	74.01	−8.22	74.47	354
NM	18.89	0.5	0.77	0.92	57
WM	96.9	−0.57	2.23	2.3	104
RM	39.92	58.74	27.99	65.07	25
JM	81.26	−2.89	71.56	71.62	92
GM	52.23	−42.42	13.6	44.55	162
BM	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 75 18 69
*LAB*LCH**$_{Ma}$: 75 72 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.68 0.0
triangle lightness *t**

%Gamut
u*rel = 89
%Regularity
g*H,rel = 72
g*C,rel = 57

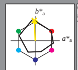


ORS19_96a; adapted (a) CIELAB data

u*e	L*=L*a	a*a	b*a	C*ab,a	h*ab,a	u*d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

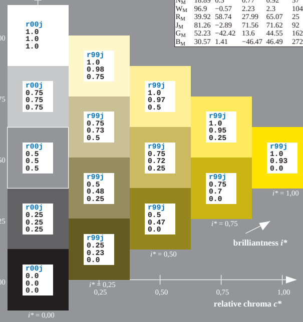
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256** ***u***$_e$ = j00g*
*lab*olv'**

data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u$_e$ = j00g u*$_d$ = o92y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



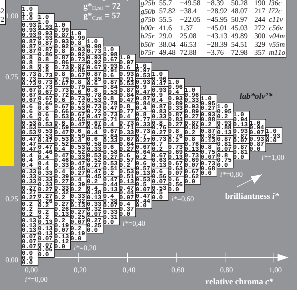
ORS19_96a; CIELAB data

u*e	L*=L*	a*	b*	C*ab	h*ab
OM	48.75	65.16	40.76	76.86	32
YM	90.92	−10.78	89.36	90.01	97
LM	52.69	−65.4	22.15	69.05	161
CM	59.61	−29.04	−44.69	53.3	237
VM	28.39	24.0	−43.18	49.4	299
MM	49.58	74.01	−8.22	74.47	354
NM	18.89	0.5	0.77	0.92	57
WM	96.9	−0.57	2.23	2.3	104
RM	39.92	58.74	27.99	65.07	25
JM	81.26	−2.89	71.56	71.62	92
GM	52.23	−42.42	13.6	44.55	162
BM	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 87 −3 83
*LAB*LCH**$_{Ma}$: 87 83 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 = 89
%Regularity
g*H,rel = 72
g*C,rel = 57

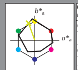


ORS19_96a; adapted (a) CIELAB data

u*e	L*=L*a	a*a	b*a	C*ab,a	h*ab,a	u*d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

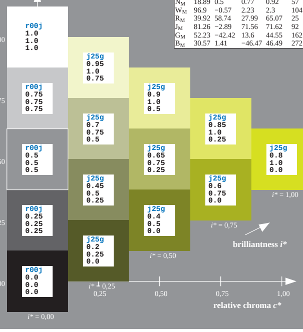
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305** ***u***$_e$ = j25g*
*lab*olv'**

data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u$_e$ = j25g u*$_d$ = y20l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



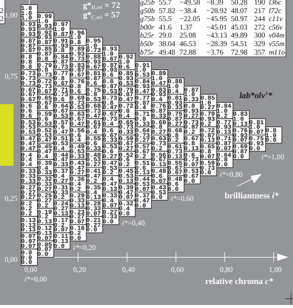
ORS19_96a; CIELAB data

u*e	L*=L*	a*	b*	C*ab	h*ab
OM	48.75	65.16	40.76	76.86	32
YM	90.92	−10.78	89.36	90.01	97
LM	52.69	−65.4	22.15	69.05	161
CM	59.61	−29.04	−44.69	53.3	237
VM	28.39	24.0	−43.18	49.4	299
MM	49.58	74.01	−8.22	74.47	354
NM	18.89	0.5	0.77	0.92	57
WM	96.9	−0.57	2.23	2.3	104
RM	39.92	58.74	27.99	65.07	25
JM	81.26	−2.89	71.56	71.62	92
GM	52.23	−42.42	13.6	44.55	162
BM	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 81 −25 69
*LAB*LCH**$_{Ma}$: 81 74 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.8 1.0 0.0
triangle lightness *t**

%Gamut
u*rel = 89
%Regularity
g*H,rel = 72
g*C,rel = 57

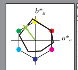


ORS19_96a; adapted (a) CIELAB data

u*e	L*=L*a	a*a	b*a	C*ab,a	h*ab,a	u*d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

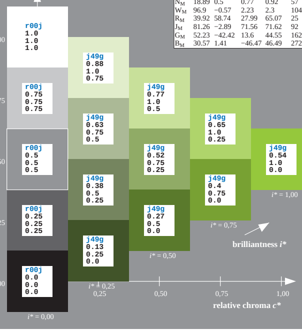
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354** ***u***$_e$ = j50g*
*lab*olv'**

data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u$_e$ = j50g u*$_d$ = y46l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



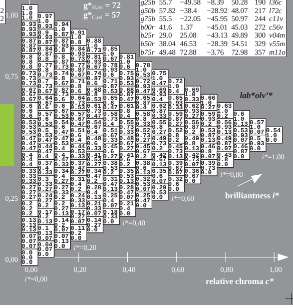
ORS19_96a; CIELAB data

u*e	L*=L*	a*	b*	C*ab	h*ab
OM	48.75	65.16	40.76	76.86	32
YM	90.92	−10.78	89.36	90.01	97
LM	52.69	−65.4	22.15	69.05	161
CM	59.61	−29.04	−44.69	53.3	237
VM	28.39	24.0	−43.18	49.4	299
MM	49.58	74.01	−8.22	74.47	354
NM	18.89	0.5	0.77	0.92	57
WM	96.9	−0.57	2.23	2.3	104
RM	39.92	58.74	27.99	65.07	25
JM	81.26	−2.89	71.56	71.62	92
GM	52.23	−42.42	13.6	44.55	162
BM	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 71 −40 52
*LAB*LCH**$_{Ma}$: 71 65 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.54 1.0 0.0
triangle lightness *t**

%Gamut
u*rel = 89
%Regularity
g*H,rel = 72
g*C,rel = 57

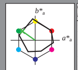


ORS19_96a; adapted (a) CIELAB data

u*e	L*=L*a	a*a	b*a	C*ab,a	h*ab,a	u*d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

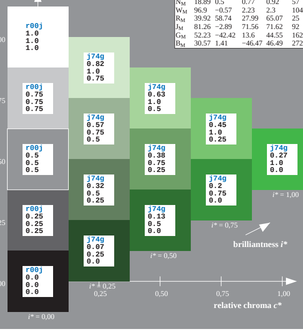
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.402** ***u***$_e$ = j75g*
*lab*olv'**

data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u$_e$ = j75g u*$_d$ = y72l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



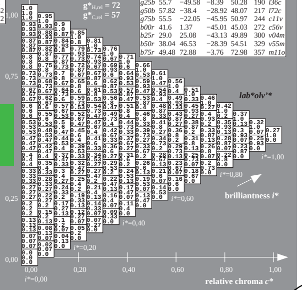
ORS19_96a; CIELAB data

u*e	L*=L*	a*	b*	C*ab	h*ab
OM	48.75	65.16	40.76	76.86	32
YM	90.92	−10.78	89.36	90.01	97
LM	52.69	−65.4	22.15	69.05	161
CM	59.61	−29.04	−44.69	53.3	237
VM	28.39	24.0	−43.18	49.4	299
MM	49.58	74.01	−8.22	74.47	354
NM	18.89	0.5	0.77	0.92	57
WM	96.9	−0.57	2.23	2.3	104
RM	39.92	58.74	27.99	65.07	25
JM	81.26	−2.89	71.56	71.62	92
GM	52.23	−42.42	13.6	44.55	162
BM	30.57	1.41	−46.47	46.49	272



Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 62 −52 37
*LAB*LCH**$_{Ma}$: 62 64 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.27 1.0 0.0
triangle lightness *t**

%Gamut
u*rel = 89
%Regularity
g*H,rel = 72
g*C,rel = 57



ORS19_96a; adapted (a) CIELAB data

u*e	L*=L*a	a*a	b*a	C*ab,a	h*ab,a	u*d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	−3.35	82.83	82.9	92	o92y
j25g	80.72	−25.01	69.5	73.86	110	y20l
j50g	70.64	−39.54	51.97	65.3	127	y46l
j75g	61.93	−52.1	36.83	63.8	145	y72l
g00b	52.8	−65.28	20.93	68.56	162	y99l
g25b	55.7	−49.58	−8.39	50.28	190	l36c
g50b	57.82	−38.4	−28.92	48.07	217	l72c
g75b	55.5	−22.05	−45.95	50.97	244	c11v
b00r	41.6	1.37	−45.01	45.03	272	c56v
b25r	29.0	25.08	−43.13	49.89	300	v04m
b50r	38.04	46.53	−28.39	54.51	329	v55m
b75r	49.48	72.88	−3.76	72.98	357	m11o

BAM registration: 20080901-Ee30/10L/L30E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems

BAM material: code=rha4ta

BAM-test chart Ee30; Colorimetric systems, Page 10/11
D65: colour scales and 9 tables for 16 hues *r00j* to *j75g*

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

www.ps.bam.de/Ee30/10L/L30E00NP.PS/ .PDF; ORS19_96a; transfer and output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

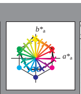
See for similar files: http://www.ps.bam.de/Ee30/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=1

BAM registration: 20080901-Ee30/10L/L30E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta

Input and output:
Colorimetric Printer Reflective System ORS19_96a
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 = 1.0

ORS19_96a; adapted (a) CIELAB data

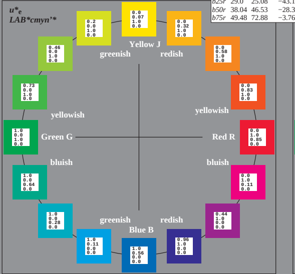
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*

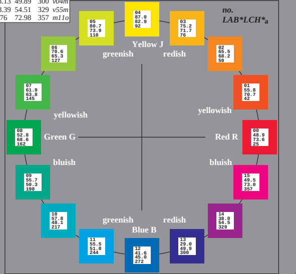


%Gamut
u^*_{rel} = 89
%Regularity
$g^*_{H,rel}$ = 72
$g^*_{C,rel}$ = 57

ORS19_96a; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
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

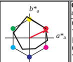




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360$ = 0.071

u^*_e = *r00j*
*LAB*cmyn'**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u^*_e = *r00j* u^*_d = *m84o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; CIELAB data

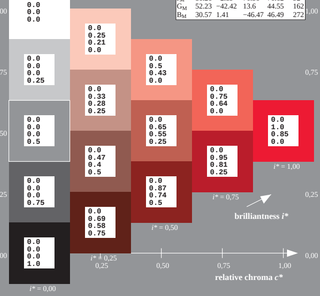
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

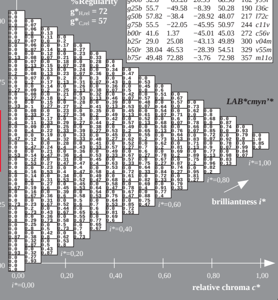
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 49 66 32**
***LAB*LCH**$_{Ma}$: 49 74 25**
***lab*rgb**$_{Ma}$: 1.0 0.0 0.0**
***lab*olv**$_{Ma}$: 1.0 0.0 0.15**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*

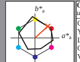




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360$ = 0.117

u^*_e = *r25j*
*LAB*cmyn'**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u^*_e = *r25j* u^*_d = *o17y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; CIELAB data

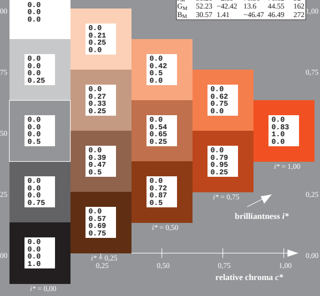
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

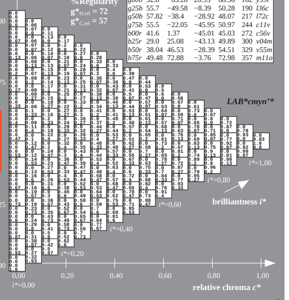
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 56 52 47**
***LAB*LCH**$_{Ma}$: 56 71 42**
***lab*rgb**$_{Ma}$: 1.0 0.25 0.0**
***lab*olv**$_{Ma}$: 1.0 0.17 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*

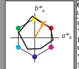




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360$ = 0.164

u^*_e = *r50j*
*LAB*cmyn'**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u^*_e = *r50j* u^*_d = *o42y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; CIELAB data

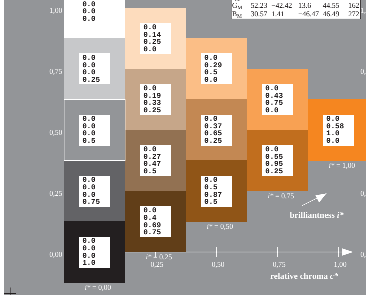
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

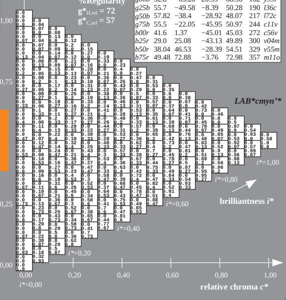
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 65 35 58**
***LAB*LCH**$_{Ma}$: 65 68 58**
***lab*rgb**$_{Ma}$: 1.0 0.5 0.0**
***lab*olv**$_{Ma}$: 1.0 0.42 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*

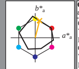




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360$ = 0.21

u^*_e = *r75j*
*LAB*cmyn'**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u^*_e = *r75j* u^*_d = *o67y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; CIELAB data

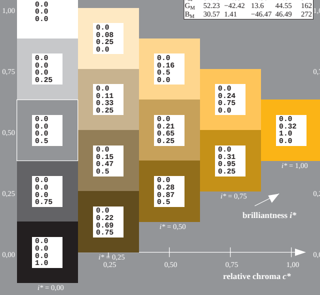
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

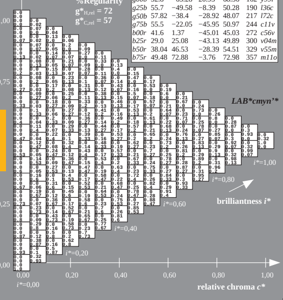
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 75 18 69**
***LAB*LCH**$_{Ma}$: 75 72 75**
***lab*rgb**$_{Ma}$: 1.0 0.75 0.0**
***lab*olv**$_{Ma}$: 1.0 0.68 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*

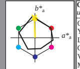




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360$ = 0.256

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 = 1.0
triangle lightness *t**



ORS19_96a; CIELAB data

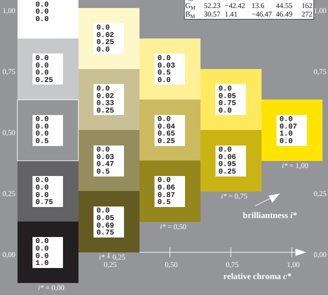
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

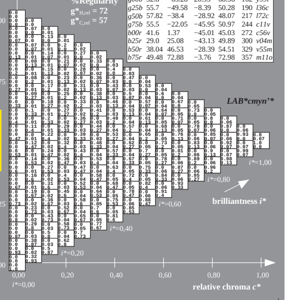
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 87 −3 83**
***LAB*LCH**$_{Ma}$: 87 83 92**
***lab*rgb**$_{Ma}$: 1.0 1.0 0.0**
***lab*olv**$_{Ma}$: 1.0 0.93 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*

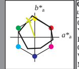




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360$ = 0.305

u^*_e = *j25g*
*LAB*cmyn'**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u^*_e = *j25g* u^*_d = *y20l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; CIELAB data

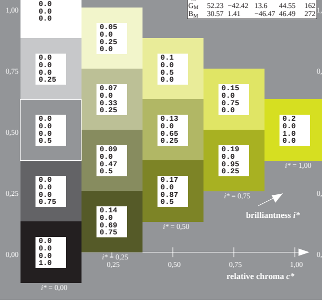
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

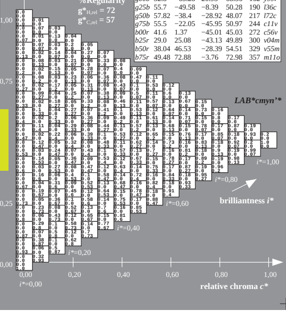
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 81 −25 69**
***LAB*LCH**$_{Ma}$: 81 74 109**
***lab*rgb**$_{Ma}$: 0.75 1.0 0.0**
***lab*olv**$_{Ma}$: 0.8 1.0 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*

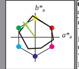




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360$ = 0.354

u^*_e = *j50g*
*LAB*cmyn'**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u^*_e = *j50g* u^*_d = *y46l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; CIELAB data

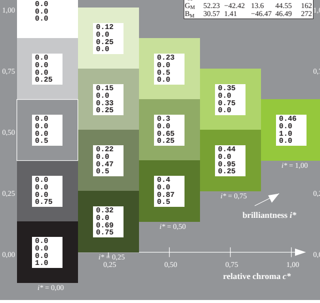
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

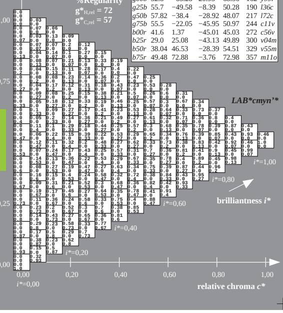
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 71 −40 52**
***LAB*LCH**$_{Ma}$: 71 65 127**
***lab*rgb**$_{Ma}$: 0.5 1.0 0.0**
***lab*olv**$_{Ma}$: 0.54 1.0 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*

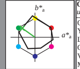




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360$ = 0.402

u^*_e = *j75g*
*LAB*cmyn'**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u^*_e = *j75g* u^*_d = *y72l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



ORS19_96a; CIELAB data

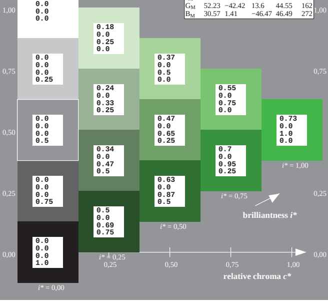
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	−10.78	89.36	90.01	97
L_M	52.69	−65.4	22.15	69.05	161
C_M	59.61	−29.04	−44.69	53.3	237
V_M	28.39	24.0	−43.18	49.4	299
M_M	49.58	74.01	−8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	−0.57	2.23	2.3	104
R_M	39.92	58.74	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

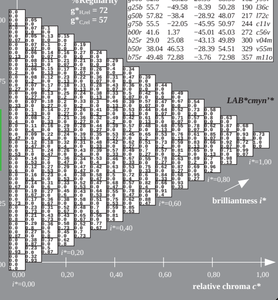
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 62 −52 37**
***LAB*LCH**$_{Ma}$: 62 64 144**
***lab*rgb**$_{Ma}$: 0.25 1.0 0.0**
***lab*olv**$_{Ma}$: 0.27 1.0 0.0**
triangle lightness *t**

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	*m84o*
r25j	55.85	52.39	47.48	70.7	42	*o17y*
r50j	65.45	35.22	58.37	68.17	59	*o42y*
r75j	75.19	17.82	69.41	71.66	76	*o67y*
j00g	87.03	−3.35	82.83	82.9	92	*o92y*
j25g	80.72	−25.01	69.5	73.86	110	*y20l*
j50g	70.64	−39.54	51.97	65.3	127	*y46l*
j75g	61.93	−52.1	36.83	63.8	145	*y72l*
g00b	52.8	−65.28	20.93	68.56	162	*y99l*
g25b	55.7	−49.58	−8.39	50.28	190	*l36c*
g50b	57.82	−38.4	−28.92	48.07	217	*l72c*
g75b	55.5	−22.05	−45.95	50.97	244	*c11v*
b00r	41.6	1.37	−45.01	45.03	272	*c56v*
b25r	29.0	25.08	−43.13	49.89	300	*v04m*
b50r	38.04	46.53	−28.39	54.51	329	*v55m*
b75r	49.48	72.88	−3.76	72.98	357	*m11o*





BAM-test chart Ee30; Colorimetric systems, Page 11/11
D65: colour scales and 9 tables for 16 hues *r00j* to *j75g*

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