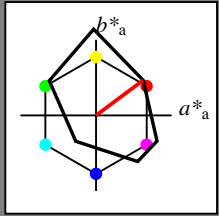


**Input: Colorimetric Printer Reflective System FRS06**

for hue  $h^* = lab^*h = 37/360 = 0.102$   
 $lab^*ich$  and  $lab^*nch$

D65: hue R  
 LCH\*Ma: 33 78 37  
 olv\*Ma: 1.0 0.0 0.0

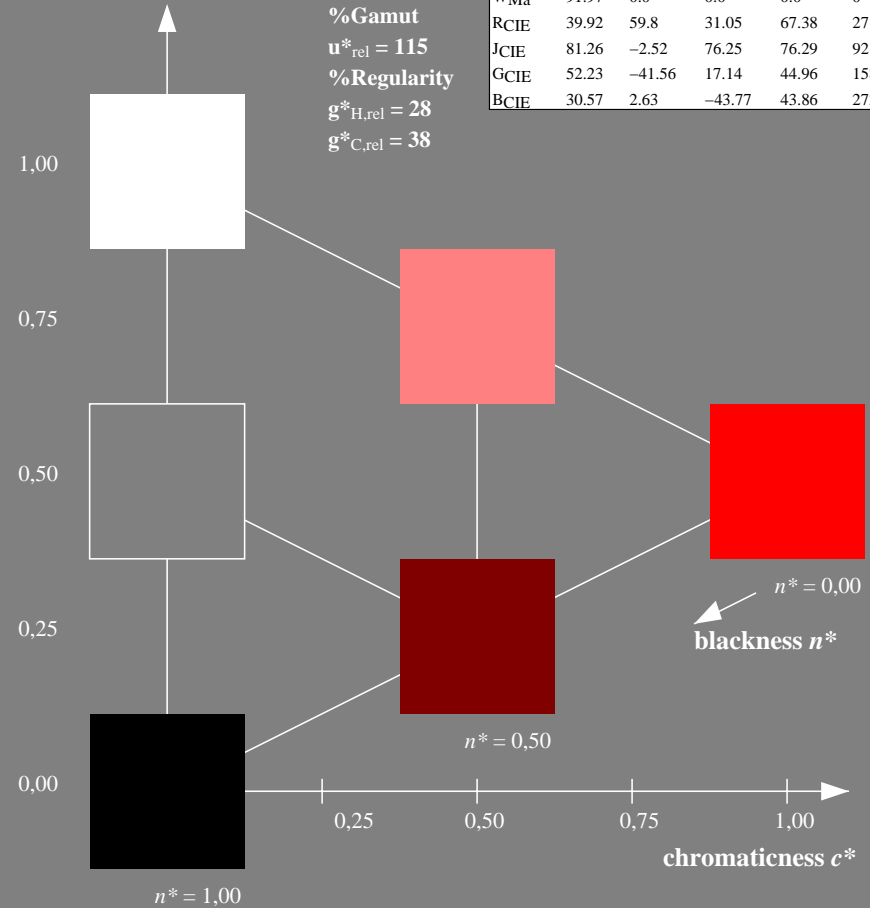


**%Gamut**  
 $u^*_{rel} = 115$   
**%Regularity**  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$

**FRS06; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

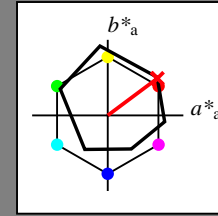
triangle lightness  $t^*$



**Output: Colorimetric Offset Reflective System ORS18**

for hue  $h^* = lab^*h = 37/360 = 0.102$   
 $lab^*ich$  and  $lab^*nch$

D65: hue O  
 LCH\*Ma: 48 82 37  
 olv\*Ma: 1.0 0.0 0.03

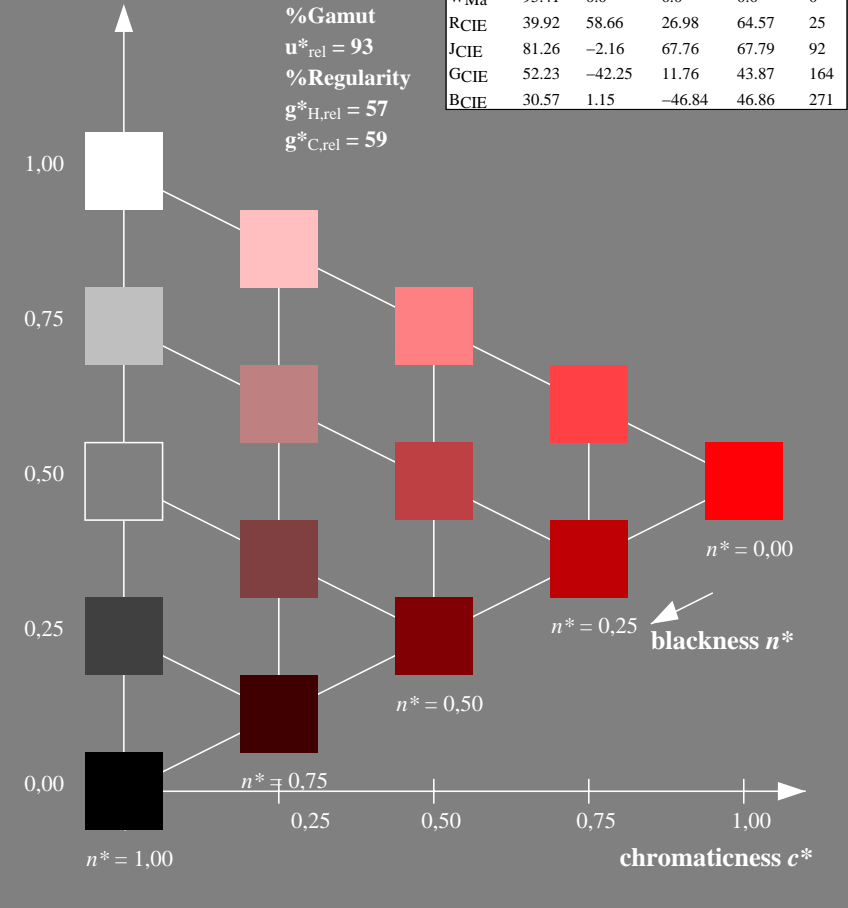


**%Gamut**  
 $u^*_{rel} = 93$   
**%Regularity**  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

**ORS18; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$



VE460-7, 3 step scales for constant CIELAB hue 37/360 = 0.102 (left)

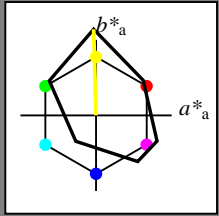
5 step scales for constant CIELAB hue 37/360 = 0.102 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18 input: olv\* setrgbcolor  
 D65: 3 and 5 step colour scales for 10 hues output: no change compared to input

**Input: Colorimetric Printer Reflective System FRS06**

for hue  $h^* = lab^*h = 92/360 = 0.254$   
 $lab^*ich$  and  $lab^*nch$

D65: hue J  
 LCH\*Ma: 83 114 92  
 olv\*Ma: 1.0 1.0 0.0

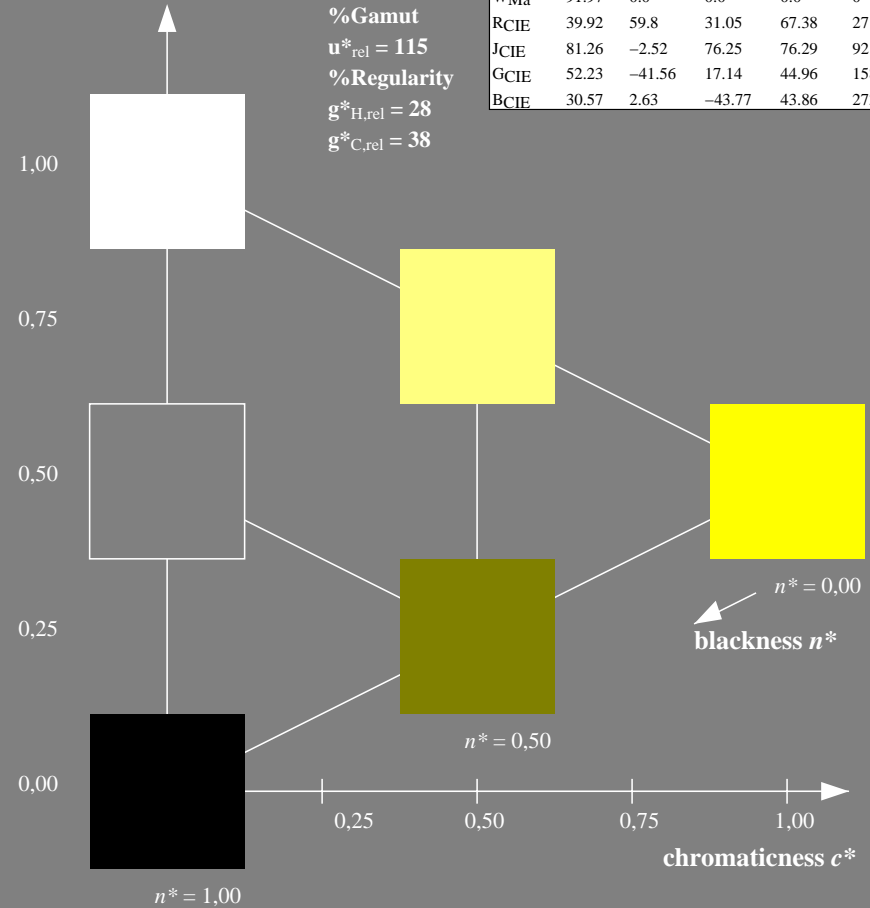


**FRS06; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

triangle lightness  $t^*$

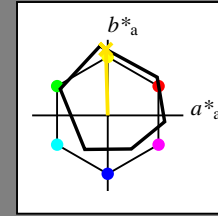
%Gamut  
 $u^*_{rel} = 115$   
 %Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$



**Output: Colorimetric Offset Reflective System ORS18**

for hue  $h^* = lab^*h = 92/360 = 0.254$   
 $lab^*ich$  and  $lab^*nch$

D65: hue Y  
 LCH\*Ma: 86 88 92  
 olv\*Ma: 1.0 0.9 0.0

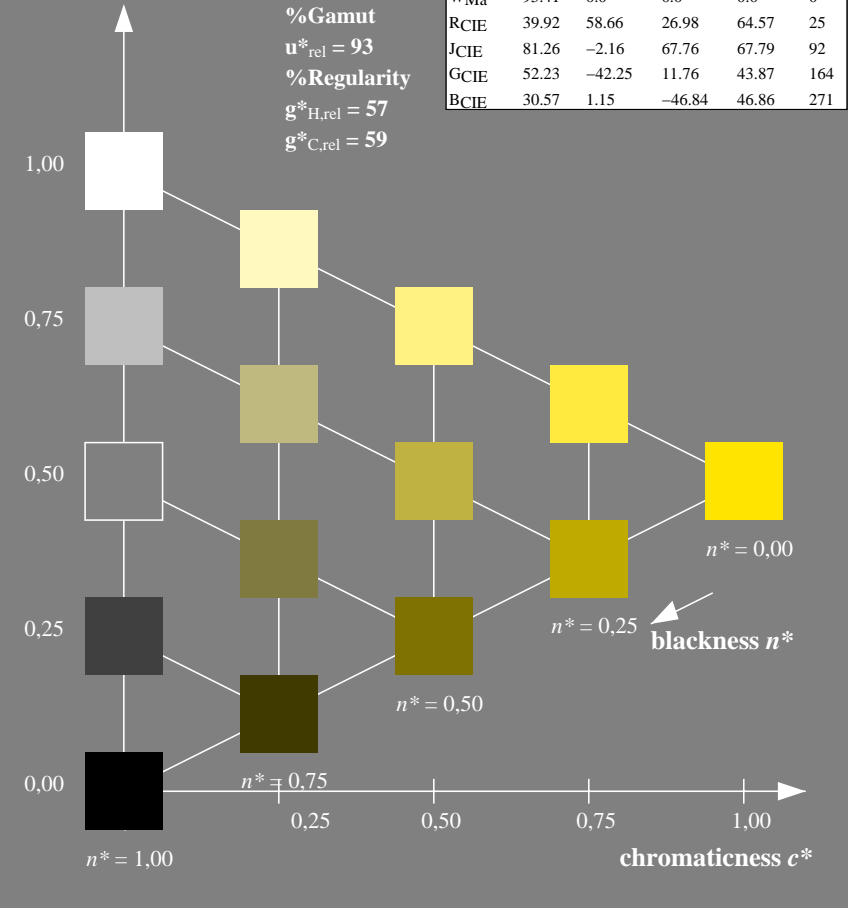


**ORS18; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$

%Gamut  
 $u^*_{rel} = 93$   
 %Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$



VE460-7, 3 step scales for constant CIELAB hue 92/360 = 0.254 (left)

5 step scales for constant CIELAB hue 92/360 = 0.254 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18 input: olv\* setrgbcolor  
 D65: 3 and 5 step colour scales for 10 hues output: no change compared to input

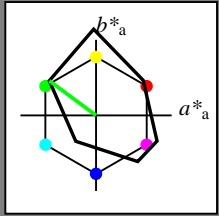
See for similar files: <http://www.ps.bam.de/VE46/>  
 Technical information: <http://www.ps.bam.de>  
 Version 2.1, io=1,1

BAM registration: 20060101-VE46/10L/L46E01NP.PS/.PDF BAM material: code=rh4ta  
 application for evaluation and measurement of printer or monitor systems  
 /VE46/ Form: 2/10, Serie: 1/1, Page: 2 Page count: 1

**Input: Colorimetric Printer Reflective System FRS06**

for hue  $h^* = lab^*h = 143/360 = 0.398$   
 $lab^*ich$  and  $lab^*nch$

D65: hue G  
 LCH\*Ma: 39 77 143  
 olv\*Ma: 0.0 1.0 0.0

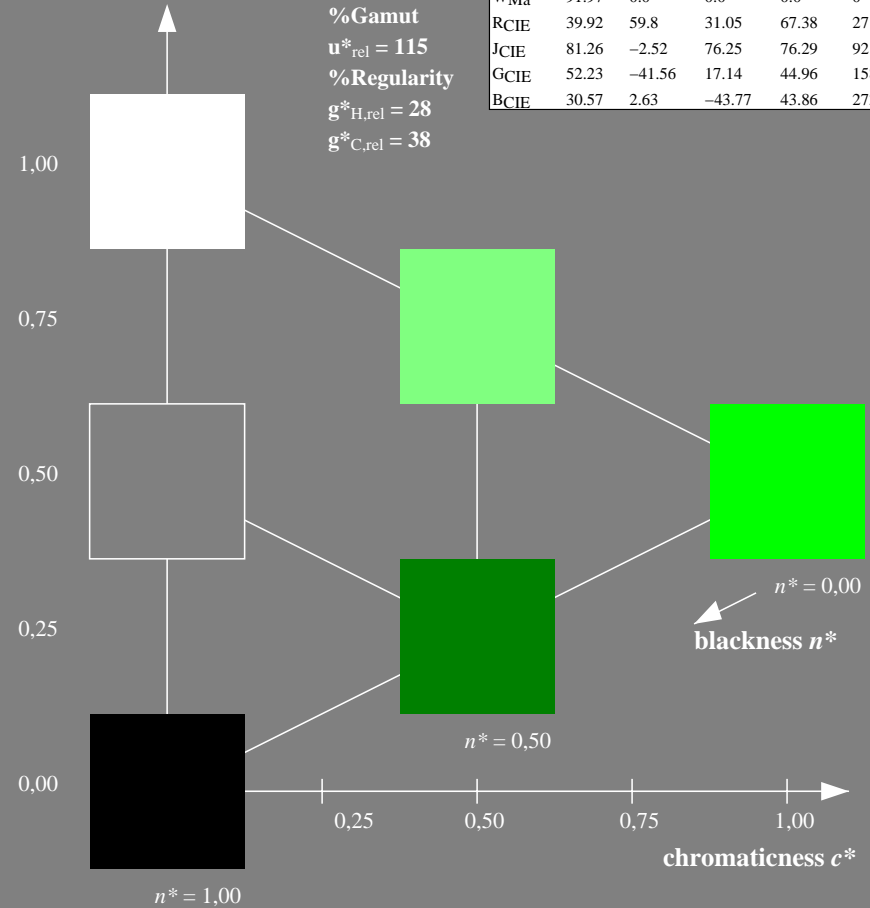


**FRS06; adapted (a) CIELAB data**

	$L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

triangle lightness  $t^*$

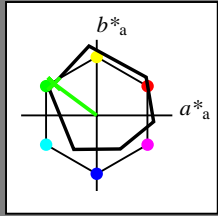
%Gamut  
 $u^*_{rel} = 115$   
 %Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$



**Output: Colorimetric Offset Reflective System ORS18**

for hue  $h^* = lab^*h = 143/360 = 0.398$   
 $lab^*ich$  and  $lab^*nch$

D65: hue L  
 LCH\*Ma: 56 70 143  
 olv\*Ma: 0.12 1.0 0.0

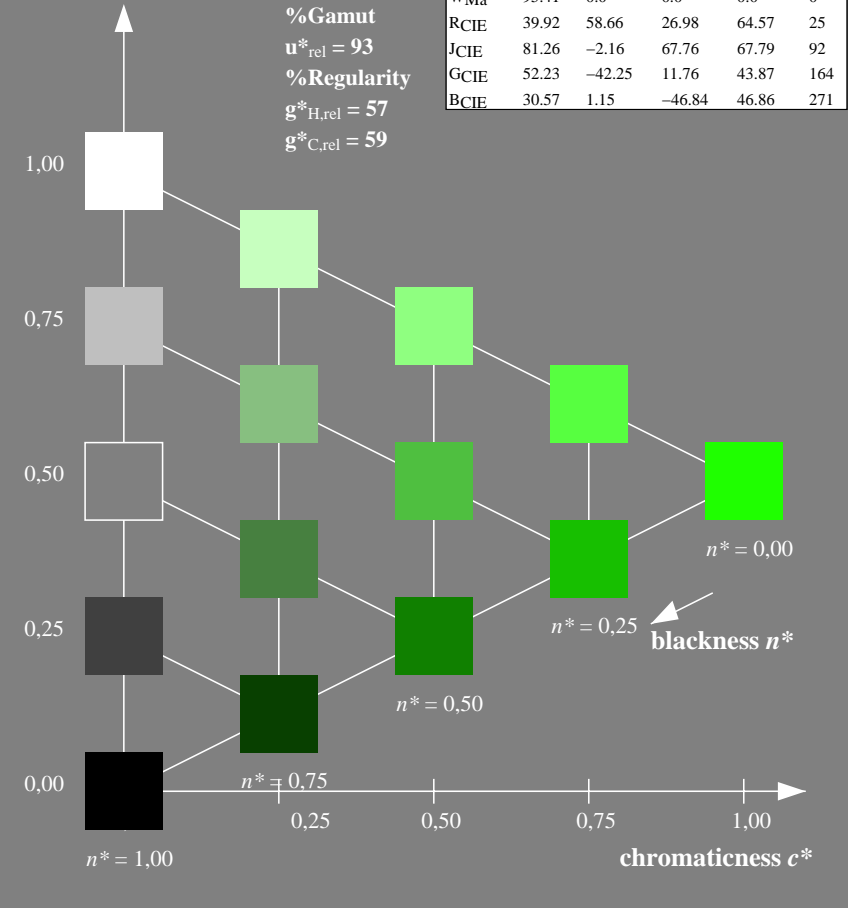


**ORS18; adapted (a) CIELAB data**

	$L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$

%Gamut  
 $u^*_{rel} = 93$   
 %Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$



VE460-7, 3 step scales for constant CIELAB hue 143/360 = 0.398 (left)

5 step scales for constant CIELAB hue 143/360 = 0.398 (right)

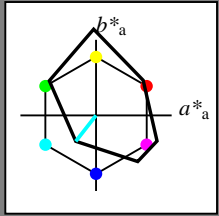
BAM-test chart VE46; Colorimetric systems CNS18 & ORS18  
 D65: 3 and 5 step colour scales for 10 hues

input: olv\* setrgbcolor  
 output: no change compared to input

**Input: Colorimetric Printer Reflective System FRS06**

for hue  $h^* = lab^*h = 232/360 = 0.644$   
 $lab^*ich$  and  $lab^*nch$

D65: hue G50B  
 LCH\*Ma: 48 43 232  
 olv\*Ma: 0.0 1.0 1.0

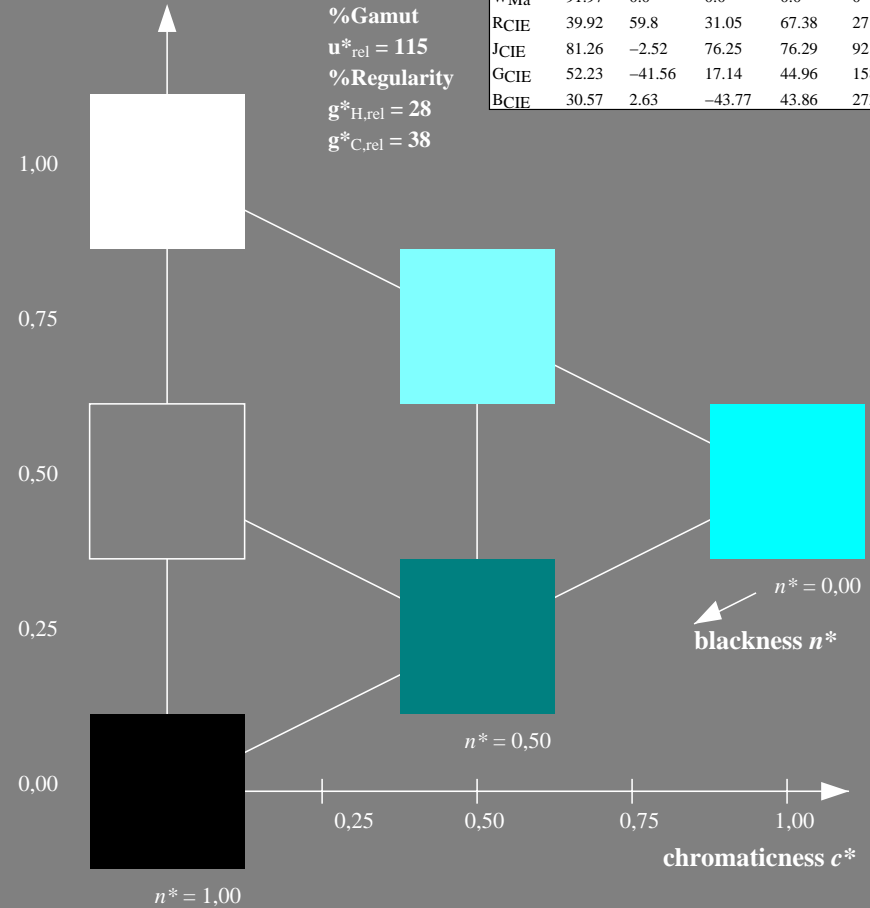


**FRS06; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

triangle lightness  $t^*$

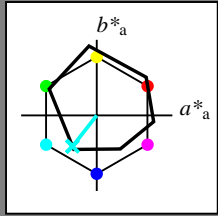
%Gamut  
 $u^*_{rel} = 115$   
 %Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$



**Output: Colorimetric Offset Reflective System ORS18**

for hue  $h^* = lab^*h = 232/360 = 0.644$   
 $lab^*ich$  and  $lab^*nch$

D65: hue C  
 LCH\*Ma: 58 52 232  
 olv\*Ma: 0.0 1.0 0.95

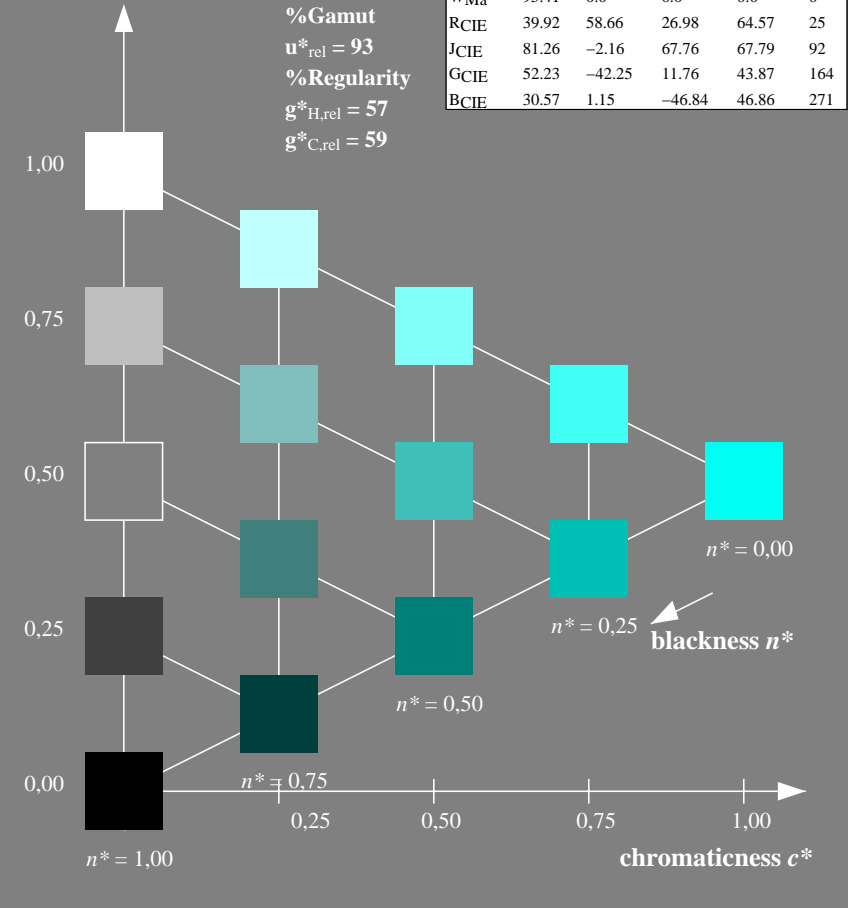


**ORS18; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$

%Gamut  
 $u^*_{rel} = 93$   
 %Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$



VE460-7, 3 step scales for constant CIELAB hue 232/360 = 0.644 (left)

5 step scales for constant CIELAB hue 232/360 = 0.644 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18 input: olv\* setrgbcolor  
 D65: 3 and 5 step colour scales for 10 hues output: no change compared to input

See for similar files: <http://www.ps.bam.de/VE46/>  
 Technical information: <http://www.ps.bam.de>  
 Version 2.1, io=1,1

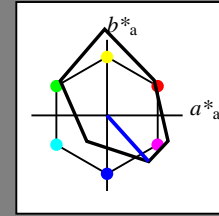
BAM registration: 20060101-VE46/10L/L46E03NP.PS/.PDF BAM material: code=rh4ta  
 application for evaluation and measurement of printer or monitor systems  
 /VE46/ Form: 4/10, Serie: 1/1, Page: 4 Page count: 1

**Input: Colorimetric Printer Reflective System FRS06**

for hue  $h^* = lab^*h = 312/360 = 0.867$   
 $lab^*ich$  and  $lab^*nch$

D65: hue B  
 LCH\*Ma: 10 82 312  
 olv\*Ma: 0.0 0.0 1.0

triangle lightness  $t^*$



%Gamut  
 $u^*_{rel} = 115$   
 %Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$

**FRS06; adapted (a) CIELAB data**

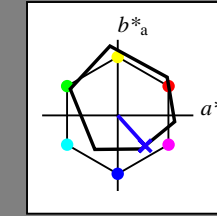
	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

**Output: Colorimetric Offset Reflective System ORS18**

for hue  $h^* = lab^*h = 312/360 = 0.867$   
 $lab^*ich$  and  $lab^*nch$

D65: hue V  
 LCH\*Ma: 28 54 312  
 olv\*Ma: 0.12 0.0 1.0

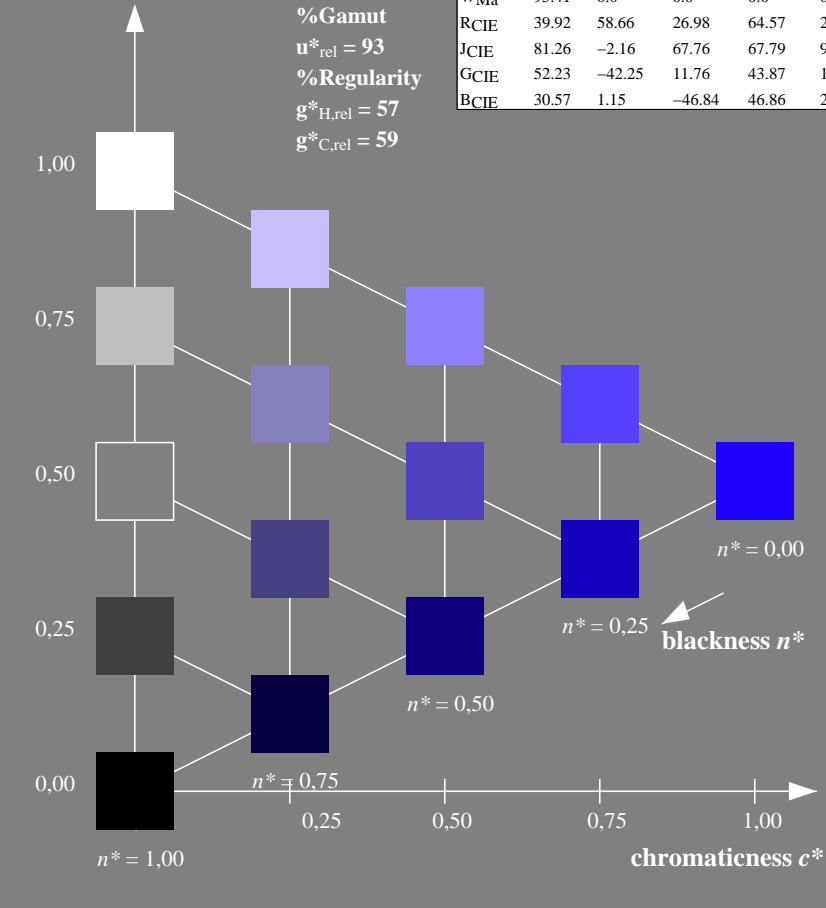
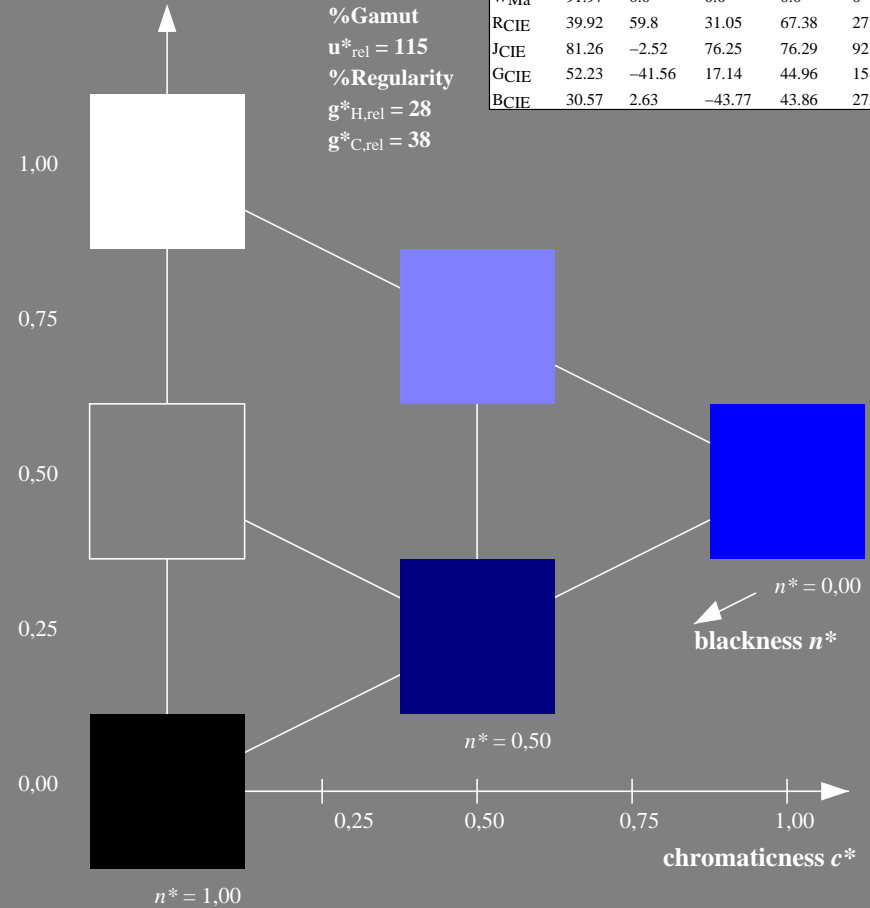
triangle lightness  $t^*$



%Gamut  
 $u^*_{rel} = 93$   
 %Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

**ORS18; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271



VE460-7, 3 step scales for constant CIELAB hue 312/360 = 0.867 (left)

5 step scales for constant CIELAB hue 312/360 = 0.867 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18 input: olv\* setrgbcolor  
 D65: 3 and 5 step colour scales for 10 hues output: no change compared to input

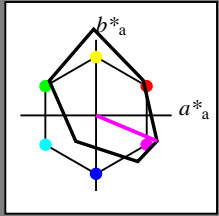
See for similar files: <http://www.ps.bam.de/VE46/>  
 Technical information: <http://www.ps.bam.de>  
 Version 2.1, io=1,1

BAM registration: 20060101-VE46/10L/L46E04NP.PS/.PDF BAM material: code=rh4ta  
 application for evaluation and measurement of printer or monitor systems  
 /VE46/ Form: 5/10, Serie: 1/1, Page: 5 Page count: 1

**Input: Colorimetric Printer Reflective System FRS06**

for hue  $h^* = lab^*h = 337/360 = 0.937$   
 $lab^*ich$  and  $lab^*nch$

D65: hue B50R  
 LCH\*Ma: 35 88 337  
 olv\*Ma: 1.0 0.0 1.0

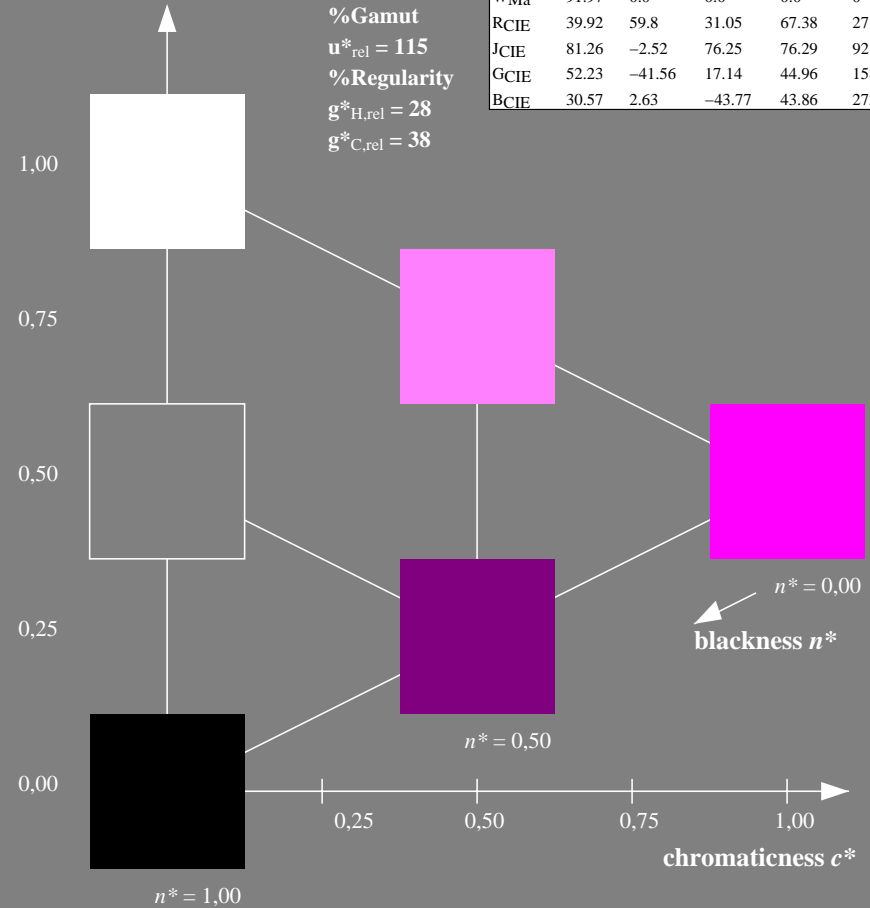


**FRS06; adapted (a) CIELAB data**

	$L^*$	$a^*$	$b^*$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

triangle lightness  $t^*$

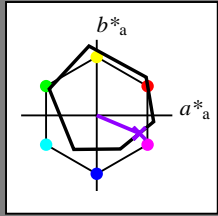
%Gamut  
 $u^*_{rel} = 115$   
 %Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$



**Output: Colorimetric Offset Reflective System ORS18**

for hue  $h^* = lab^*h = 337/360 = 0.937$   
 $lab^*ich$  and  $lab^*nch$

D65: hue M  
 LCH\*Ma: 39 61 337  
 olv\*Ma: 0.57 0.0 1.0

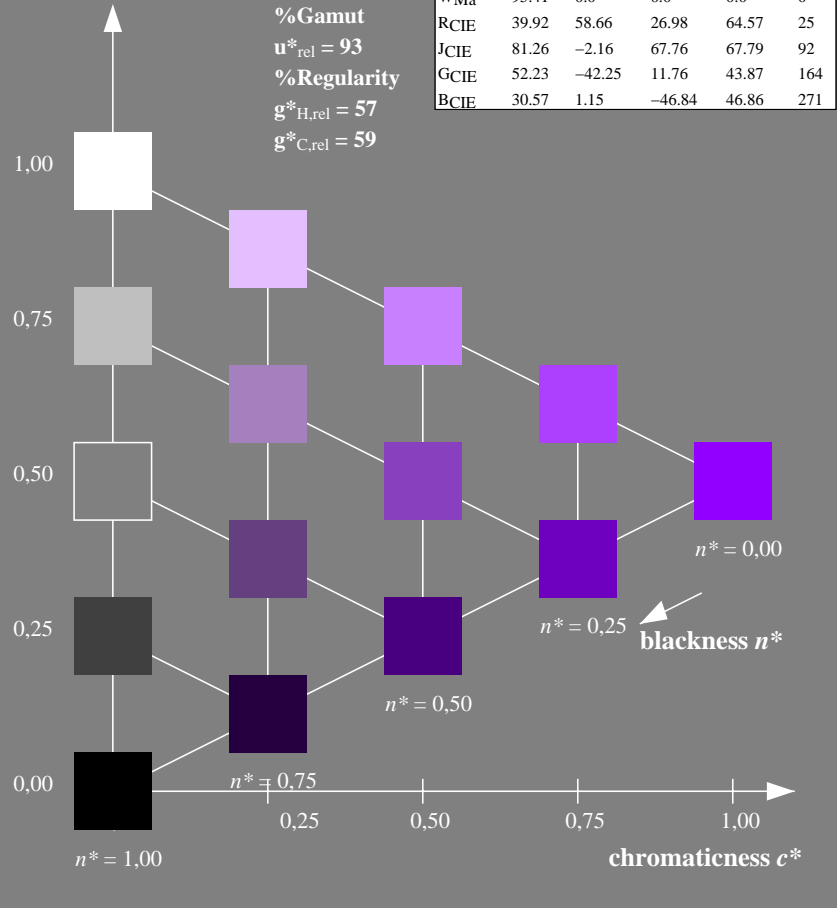


**ORS18; adapted (a) CIELAB data**

	$L^*$	$a^*$	$b^*$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$

%Gamut  
 $u^*_{rel} = 93$   
 %Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$



VE460-7, 3 step scales for constant CIELAB hue 337/360 = 0.937 (left)

5 step scales for constant CIELAB hue 337/360 = 0.937 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18 input: olv\* setrgbcolor  
 D65: 3 and 5 step colour scales for 10 hues output: no change compared to input

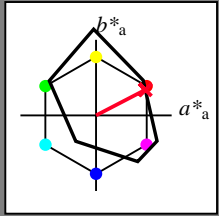
See for similar files: <http://www.ps.bam.de/VE46/>  
 Technical information: <http://www.ps.bam.de>  
 Version 2.1, io=1,1

BAM registration: 20060101-VE46/10L/L46E05NP.PS/.PDF BAM material: code=rh4ta  
 application for evaluation and measurement of printer or monitor systems  
 /VE46/ Form: 6/10, Serie: 1/1, Page: 6 Page count: 1

**Input: Colorimetric Printer Reflective System FRS06**

for hue  $h^* = lab^*h = 27/360 = 0.076$   
 $lab^*ich$  and  $lab^*nch$

D65: hue R  
 LCH\*Ma: 33 73 27  
 olv\*Ma: 1.0 0.0 0.16

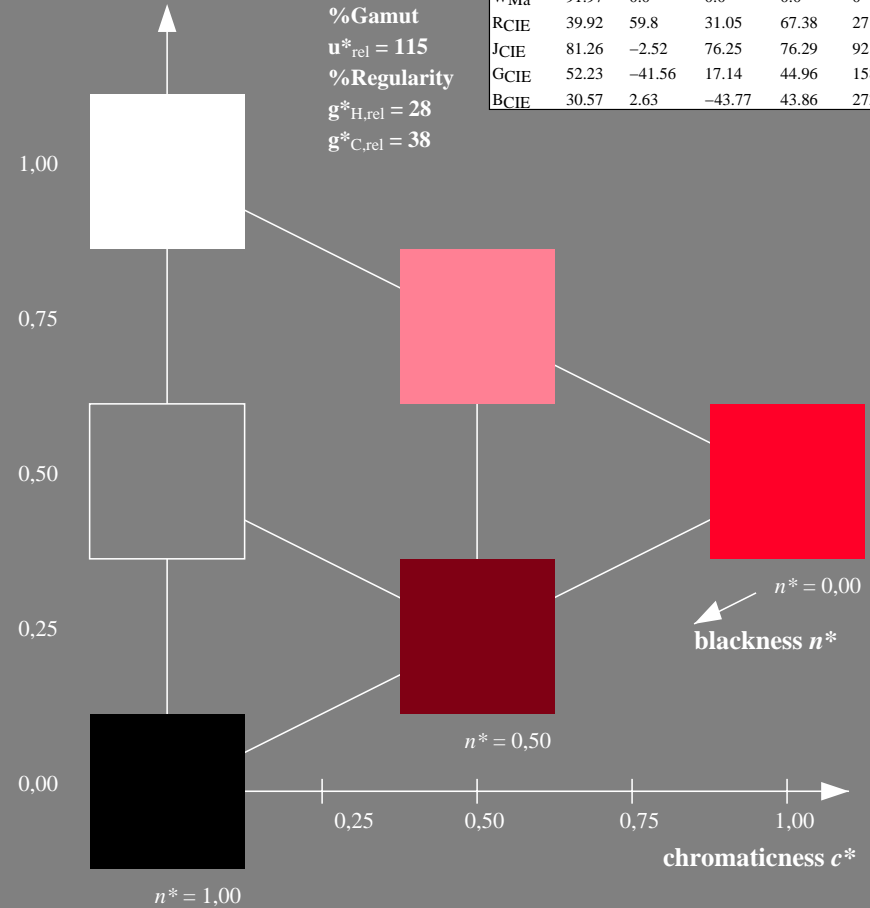


**FRS06; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

triangle lightness  $t^*$

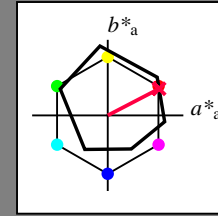
%Gamut  
 $u^*_{rel} = 115$   
 %Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$



**Output: Colorimetric Offset Reflective System ORS18**

for hue  $h^* = lab^*h = 27/360 = 0.076$   
 $lab^*ich$  and  $lab^*nch$

D65: hue R  
 LCH\*Ma: 48 77 27  
 olv\*Ma: 1.0 0.0 0.26

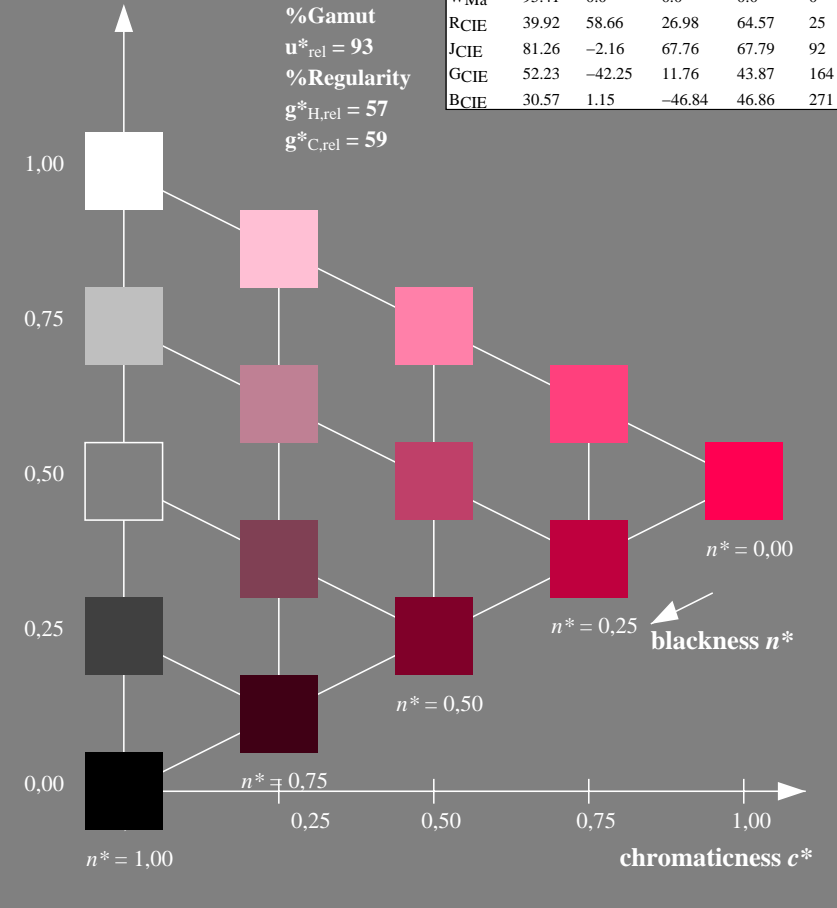


**ORS18; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$

%Gamut  
 $u^*_{rel} = 93$   
 %Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$



VE460-7, 3 step scales for constant CIELAB hue 27/360 = 0.076 (left)

5 step scales for constant CIELAB hue 27/360 = 0.076 (right)

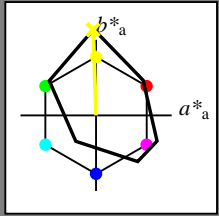
BAM-test chart VE46; Colorimetric systems CNS18 & ORS18 input: olv\* setrgbcolor  
 D65: 3 and 5 step colour scales for 10 hues output: no change compared to input



**Input: Colorimetric Printer Reflective System FRS06**

for hue  $h^* = lab^*h = 92/360 = 0.255$   
 $lab^*ich$  and  $lab^*nch$

D65: hue J  
 LCH\*Ma: 82 113 92  
 olv\*Ma: 0.99 1.0 0.0

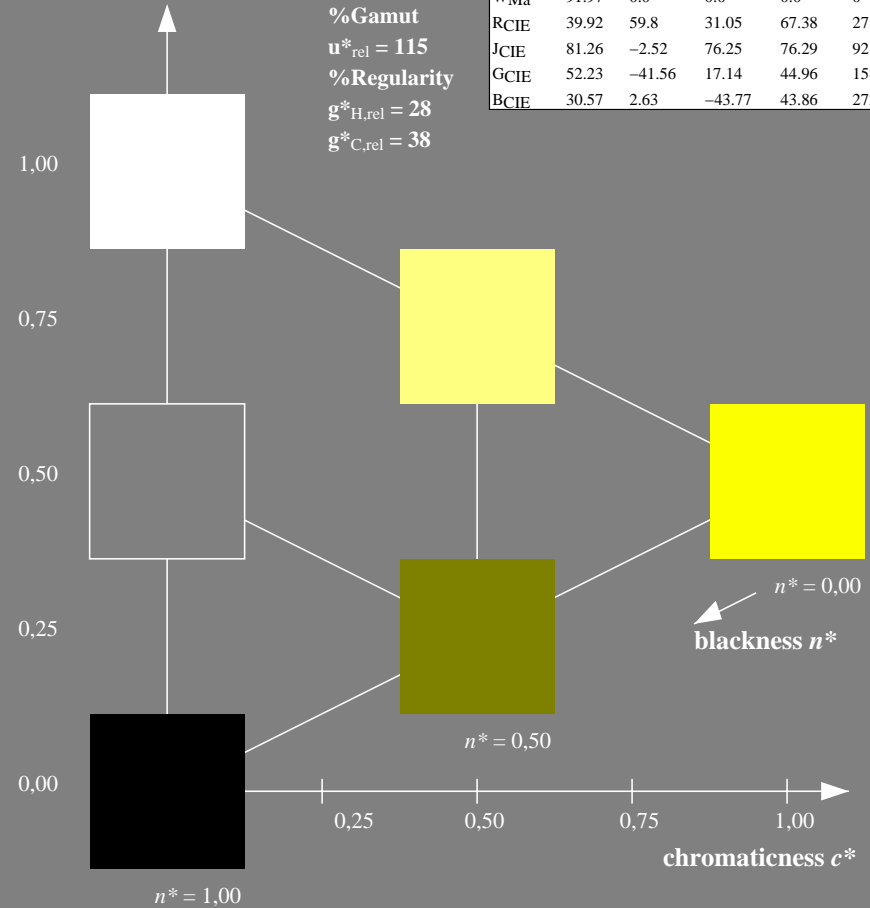


**FRS06; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

triangle lightness  $t^*$

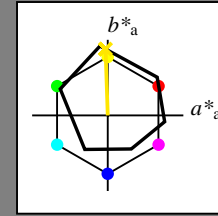
%Gamut  
 $u^*_{rel} = 115$   
 %Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$



**Output: Colorimetric Offset Reflective System ORS18**

for hue  $h^* = lab^*h = 92/360 = 0.255$   
 $lab^*ich$  and  $lab^*nch$

D65: hue J  
 LCH\*Ma: 86 88 92  
 olv\*Ma: 1.0 0.9 0.0

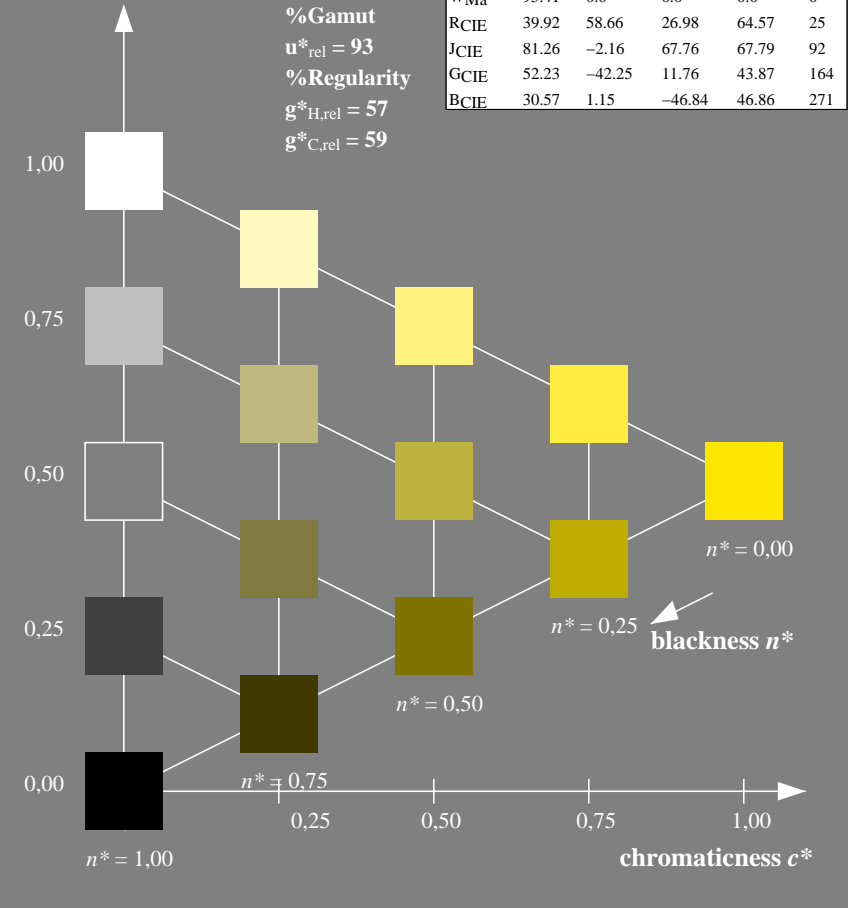


**ORS18; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$

%Gamut  
 $u^*_{rel} = 93$   
 %Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$



VE460-7, 3 step scales for constant CIELAB hue 92/360 = 0.255 (left)

5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

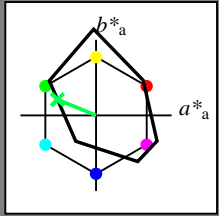
BAM-test chart VE46; Colorimetric systems CNS18 & ORS18 input: olv\* setrgbcolor  
 D65: 3 and 5 step colour scales for 10 hues output: no change compared to input



**Input: Colorimetric Printer Reflective System FRS06**

for hue  $h^* = lab^*h = 158/360 = 0.438$   
 $lab^*ich$  and  $lab^*nch$

D65: hue G  
 LCH\*Ma: 42 55 158  
 olv\*Ma: 0.0 1.0 0.31

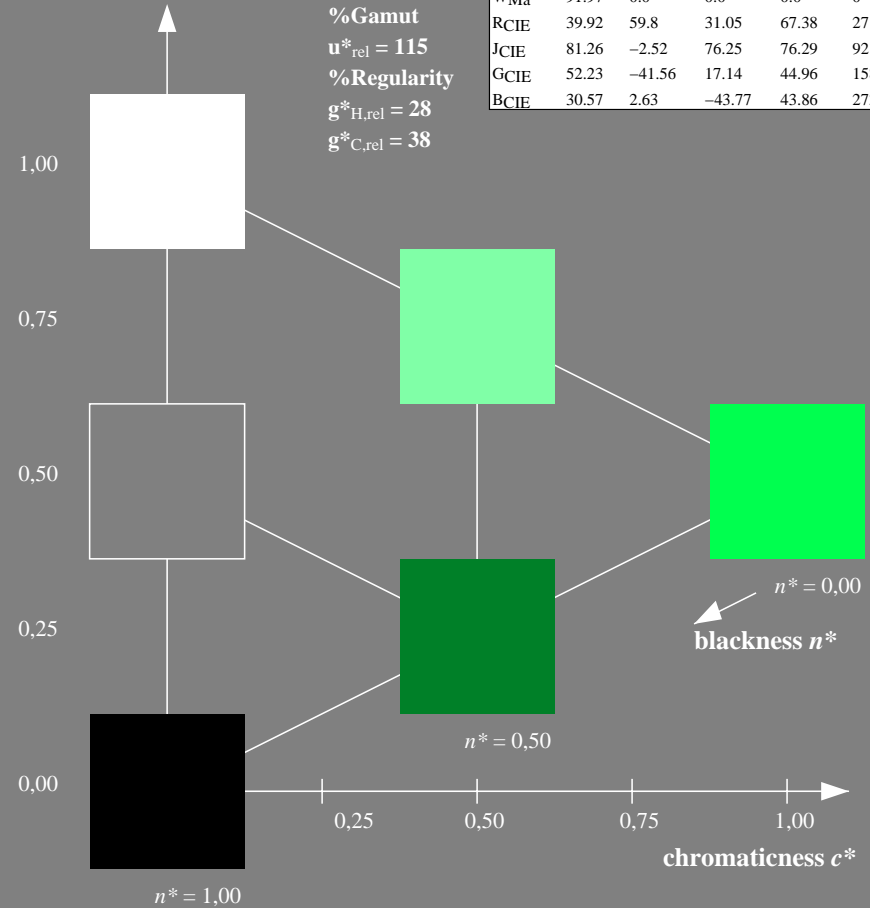


**FRS06; adapted (a) CIELAB data**

	$L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

triangle lightness  $t^*$

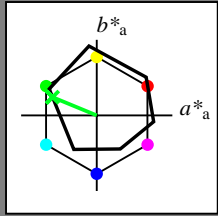
%Gamut  
 $u^*_{rel} = 115$   
 %Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$



**Output: Colorimetric Offset Reflective System ORS18**

for hue  $h^* = lab^*h = 158/360 = 0.438$   
 $lab^*ich$  and  $lab^*nch$

D65: hue G  
 LCH\*Ma: 52 63 158  
 olv\*Ma: 0.0 1.0 0.14

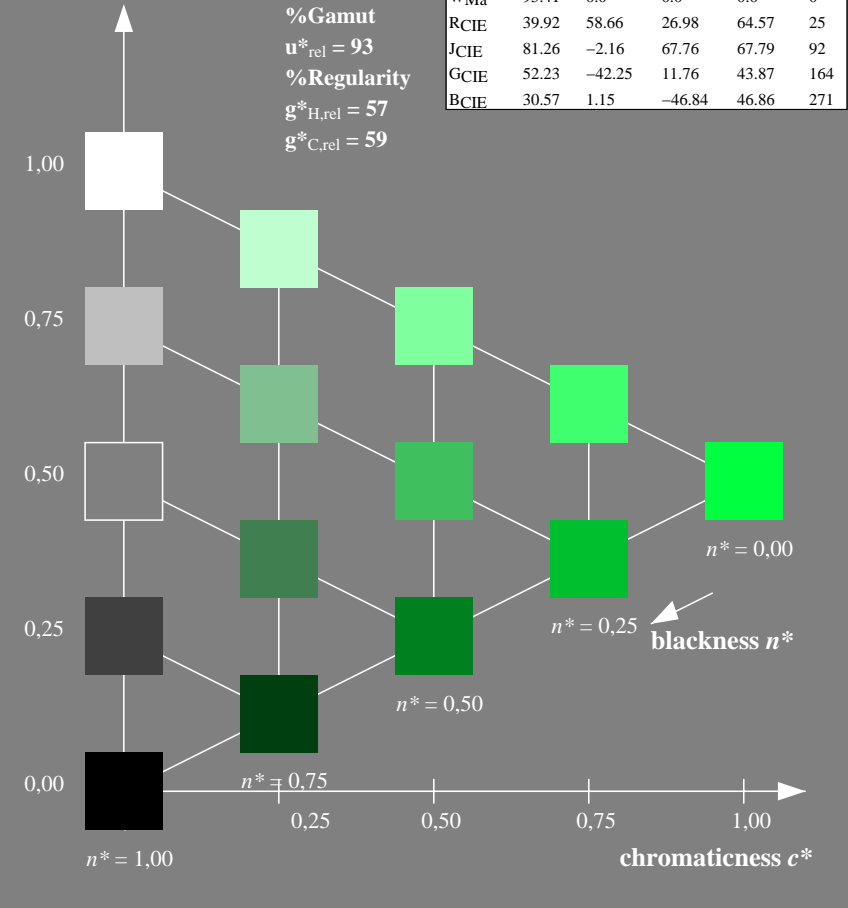


**ORS18; adapted (a) CIELAB data**

	$L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$

%Gamut  
 $u^*_{rel} = 93$   
 %Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$



VE460-7, 3 step scales for constant CIELAB hue 158/360 = 0.438 (left)

5 step scales for constant CIELAB hue 158/360 = 0.438 (right)

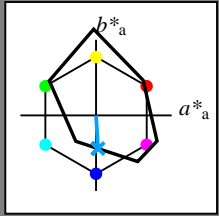
BAM-test chart VE46; Colorimetric systems CNS18 & ORS18 input: olv\* setrgbcolor  
 D65: 3 and 5 step colour scales for 10 hues output: no change compared to input

See for similar files: <http://www.ps.bam.de/VE46/>  
 Technical information: <http://www.ps.bam.de>  
 Version 2.1, io=1,1

**Input: Colorimetric Printer Reflective System FRS06**

for hue  $h^* = lab^*h = 273/360 = 0.76$   
 $lab^*ich$  and  $lab^*nch$

D65: hue B  
 LCH\*Ma: 34 44 273  
 olv\*Ma: 0.0 0.64 1.0

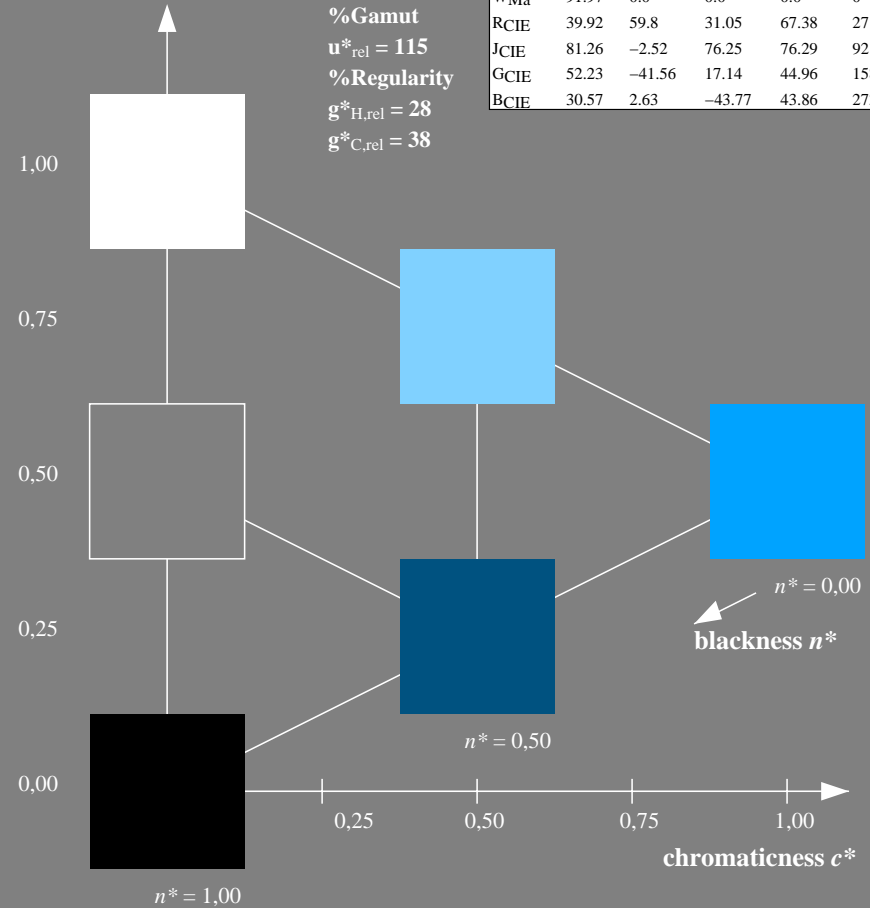


**FRS06; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

triangle lightness  $t^*$

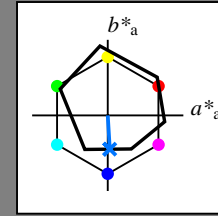
%Gamut  
 $u^*_{rel} = 115$   
 %Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$



**Output: Colorimetric Offset Reflective System ORS18**

for hue  $h^* = lab^*h = 273/360 = 0.76$   
 $lab^*ich$  and  $lab^*nch$

D65: hue B  
 LCH\*Ma: 41 45 273  
 olv\*Ma: 0.0 0.46 1.0

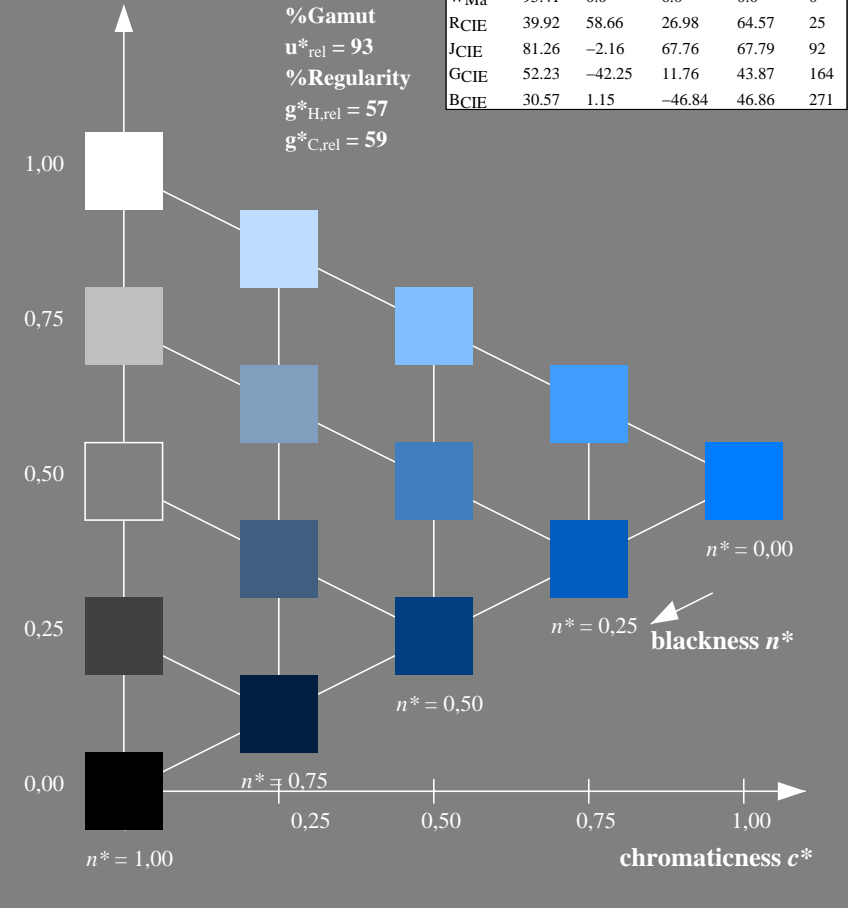


**ORS18; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.66	26.98	64.57	25
JCIE	81.26	-2.16	67.76	67.79	92
GCIE	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

triangle lightness  $t^*$

%Gamut  
 $u^*_{rel} = 93$   
 %Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$



VE460-7, 3 step scales for constant CIELAB hue 273/360 = 0.76 (left)

5 step scales for constant CIELAB hue 273/360 = 0.76 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18 input: olv\* setrgbcolor  
 D65: 3 and 5 step colour scales for 10 hues output: no change compared to input