Input: Colorimetric Printer Reflective System FRS06

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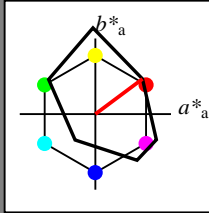
*lab*tch* and *lab*nch*

D65: hue O

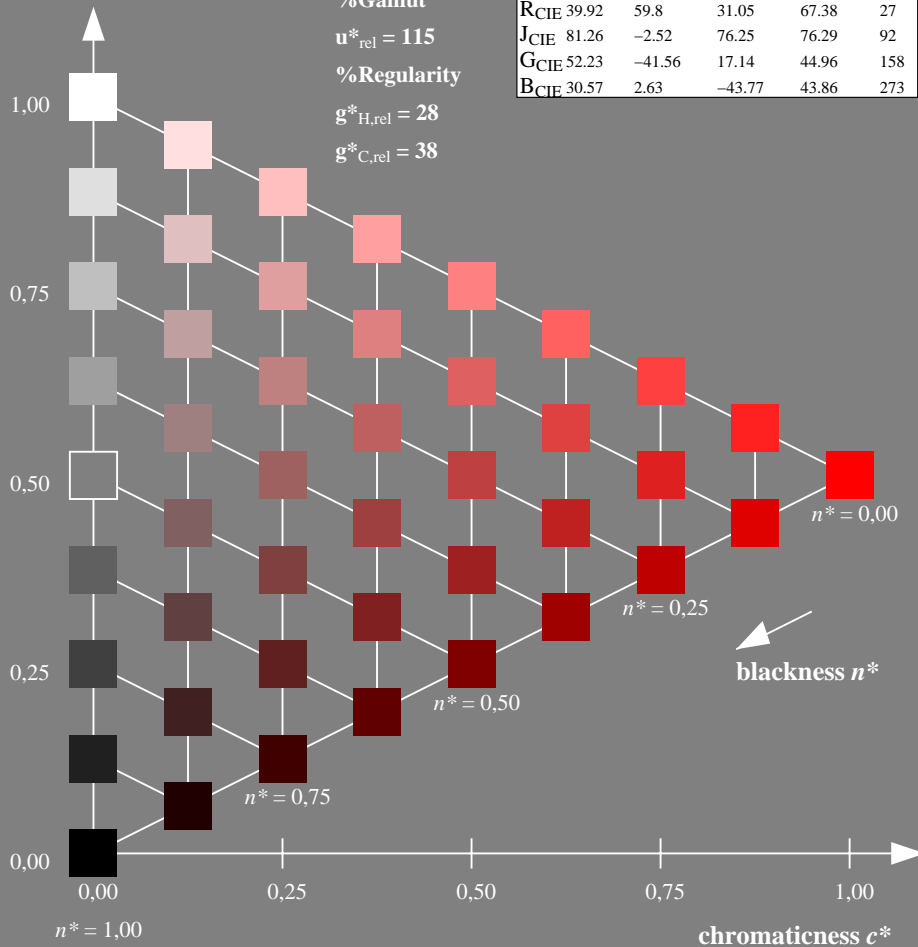**LCH*Ma: 33 78 37**

olv*Ma: 1.0 0.0 0.0

triangle lightness $t*$

FRS06; adapted (a) CIELAB data				
$L*=L*_a$	$a*_a$	$b*_a$	$C*_{ab,a}$	$h*_{ab,a}$
O_{Ma} 32.57	62.32	46.49	77.75	37
Y_{Ma} 82.73	−3.16	113.99	114.03	92
L_{Ma} 39.43	−61.79	45.84	76.95	143
C_{Ma} 47.86	−26.79	−34.24	43.49	232
V_{Ma} 10.16	55.12	−61.03	82.24	312
M_{Ma} 34.5	80.68	−33.92	87.52	337
N_{Ma} 6.25	0.0	0.0	0.0	0
W_{Ma} 91.97	0.0	0.0	0.0	0
R_{CIE} 39.92	59.8	31.05	67.38	27
J_{CIE} 81.26	−2.52	76.25	76.29	92
G_{CIE} 52.23	−41.56	17.14	44.96	158
B_{CIE} 30.57	2.63	−43.77	43.86	273

%Gamut

$u*_{rel} = 115$

%Regularity

$g*_{H,rel} = 28$

$g*_{C,rel} = 38$

$n* = 0,00$

$n* = 0,25$

blackness $n*$

$n* = 0,50$

$n* = 0,75$

$n* = 1,00$

chromaticness $c*$

Output: Colorimetric Printer Reflective System FRS06

for hue $h* = lab*h = 37/360 = 0.102$

*lab*tch* and *lab*nch*

D65: hue O

LCH*Ma: 33 78 37

olv*Ma: 1.0 0.0 0.0

triangle lightness $t*$

FRS06; adapted (a) CIELAB data				
$L*=L*_a$	$a*_a$	$b*_a$	$C*_{ab,a}$	$h*_{ab,a}$
O_{Ma} 32.57	62.32	46.49	77.75	37
Y_{Ma} 82.73	−3.16	113.99	114.03	92
L_{Ma} 39.43	−61.79	45.84	76.95	143
C_{Ma} 47.86	−26.79	−34.24	43.49	232
V_{Ma} 10.16	55.12	−61.03	82.24	312
M_{Ma} 34.5	80.68	−33.92	87.52	337
N_{Ma} 6.25	0.0	0.0	0.0	0
W_{Ma} 91.97	0.0	0.0	0.0	0
R_{CIE} 39.92	59.8	31.05	67.38	27
J_{CIE} 81.26	−2.52	76.25	76.29	92
G_{CIE} 52.23	−41.56	17.14	44.96	158
B_{CIE} 30.57	2.63	−43.77	43.86	273

%Gamut

$u*_{rel} = 115$

%Regularity

$g*_{H,rel} = 28$

$g*_{C,rel} = 38$

$n*=0,00$

$n*=0,20$

blackness $n*$

$n*=0,40$

$n*=0,60$

$n*=0,80$

$n*=1,00$

chromaticness $c*$

XE670−7, 9 step scales for constant CIELAB hue 37/360 = 0.102 (left)   16 step scales for constant CIELAB hue 37/360 = 0.102 (right)

Input: Colorimetric Printer Reflective System FRS06
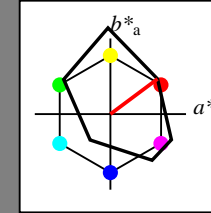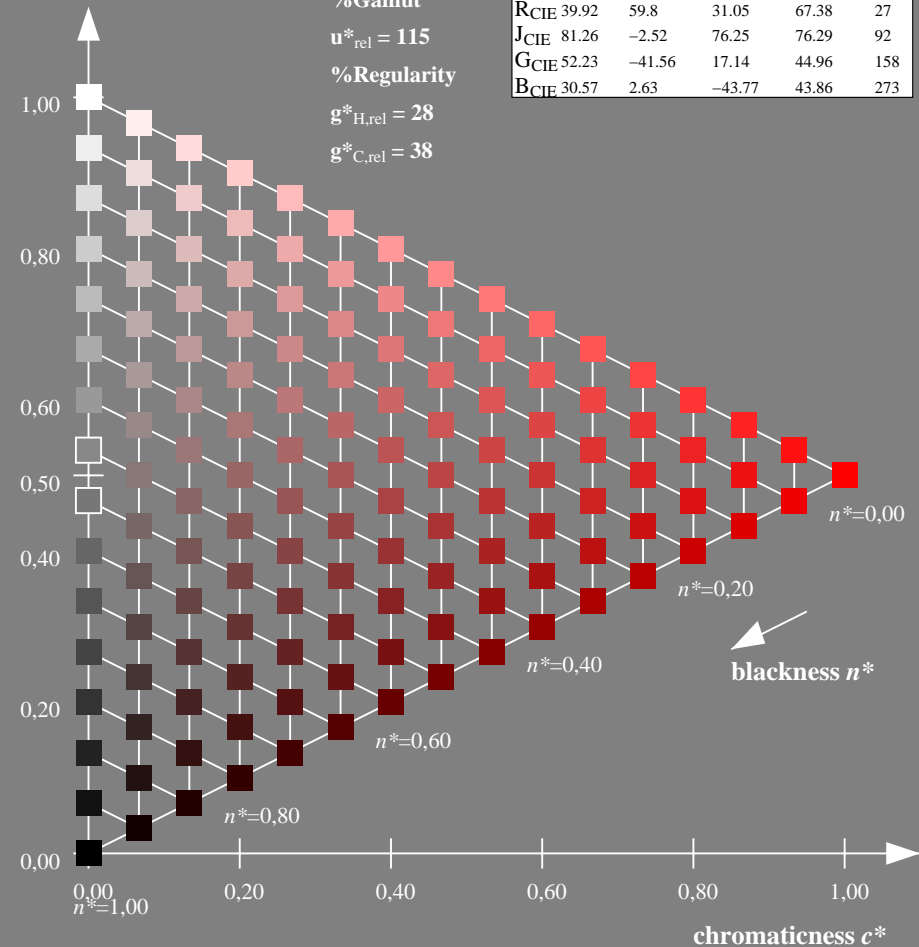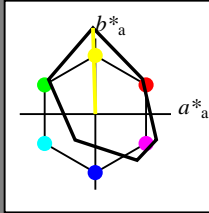
for hue $h^* = lab^*h = 92/360 = 0.254$

*lab*tch* and *lab*nch*

D65: hue Y

LCH*Ma: 83 114 92

olv*Ma: 1.0 1.0 0.0
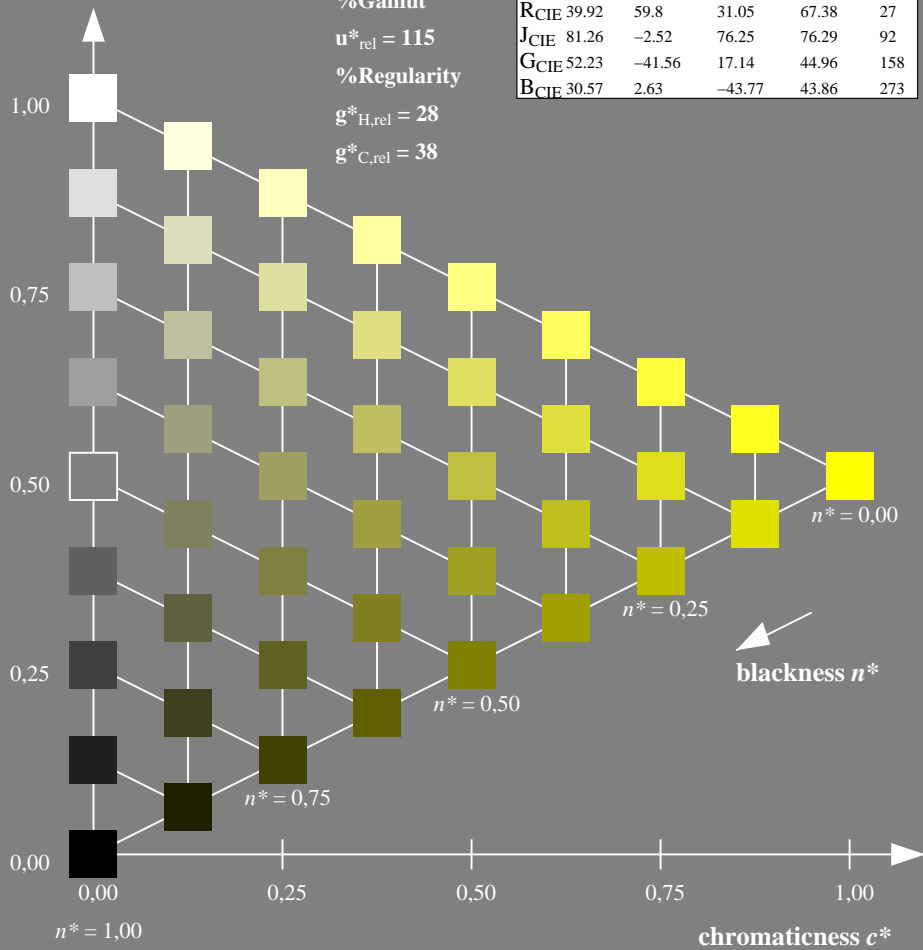
triangle lightness t^*

%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	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma} 32.57	62.32	46.49	77.75	37
Y_{Ma} 82.73	−3.16	113.99	114.03	92
L_{Ma} 39.43	−61.79	45.84	76.95	143
C_{Ma} 47.86	−26.79	−34.24	43.49	232
V_{Ma} 10.16	55.12	−61.03	82.24	312
M_{Ma} 34.5	80.68	−33.92	87.52	337
N_{Ma} 6.25	0.0	0.0	0.0	0
W_{Ma} 91.97	0.0	0.0	0.0	0
R_{CIE} 39.92	59.8	31.05	67.38	27
J_{CIE} 81.26	−2.52	76.25	76.29	92
G_{CIE} 52.23	−41.56	17.14	44.96	158
B_{CIE} 30.57	2.63	−43.77	43.86	273

1,00

0,75

0,50

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

0,00   0,25   0,50   0,75   1,00

chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

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

*lab*tch* and *lab*nch*

D65: hue Y

LCH*Ma: 83 114 92

olv*Ma: 1.0 1.0 0.0

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma} 32.57	62.32	46.49	77.75	37
Y_{Ma} 82.73	−3.16	113.99	114.03	92
L_{Ma} 39.43	−61.79	45.84	76.95	143
C_{Ma} 47.86	−26.79	−34.24	43.49	232
V_{Ma} 10.16	55.12	−61.03	82.24	312
M_{Ma} 34.5	80.68	−33.92	87.52	337
N_{Ma} 6.25	0.0	0.0	0.0	0
W_{Ma} 91.97	0.0	0.0	0.0	0
R_{CIE} 39.92	59.8	31.05	67.38	27
J_{CIE} 81.26	−2.52	76.25	76.29	92
G_{CIE} 52.23	−41.56	17.14	44.96	158
B_{CIE} 30.57	2.63	−43.77	43.86	273

1,00

0,80

0,60

0,50

0,40

0,20

0,00

$n^*=0,00$

$n^*=0,20$

$n^*=0,40$

$n^*=0,60$

$n^*=0,80$

$n^*=1,00$

blackness n^*

0,00   0,20   0,40   0,60   0,80   1,00

chromaticness c^*

XE670−7, 9 step scales for constant CIELAB hue 92/360 = 0.254 (left)   16 step scales for constant CIELAB hue 92/360 = 0.254 (right)

Input: Colorimetric Printer Reflective System FRS06

for hue *h* = lab*h = 143/360 = 0.398*
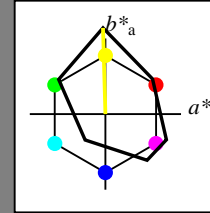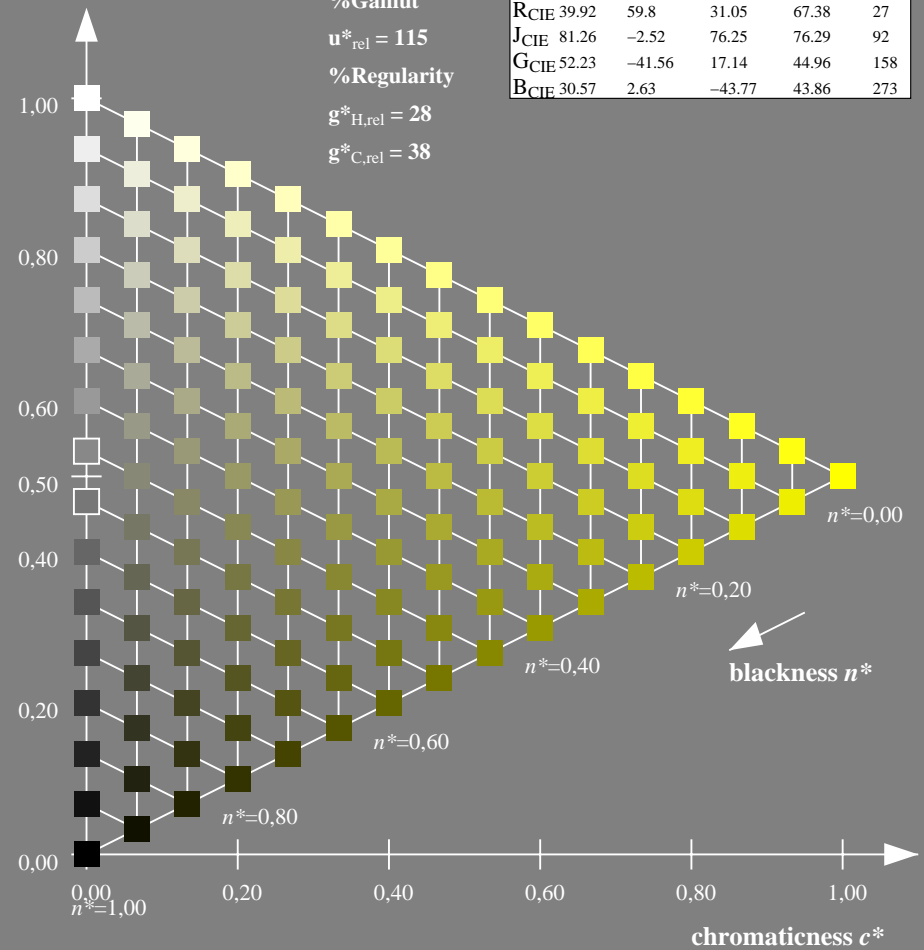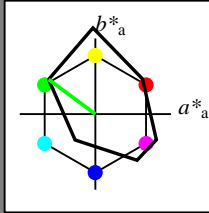
lab*tch and *lab*nch*

D65: hue L
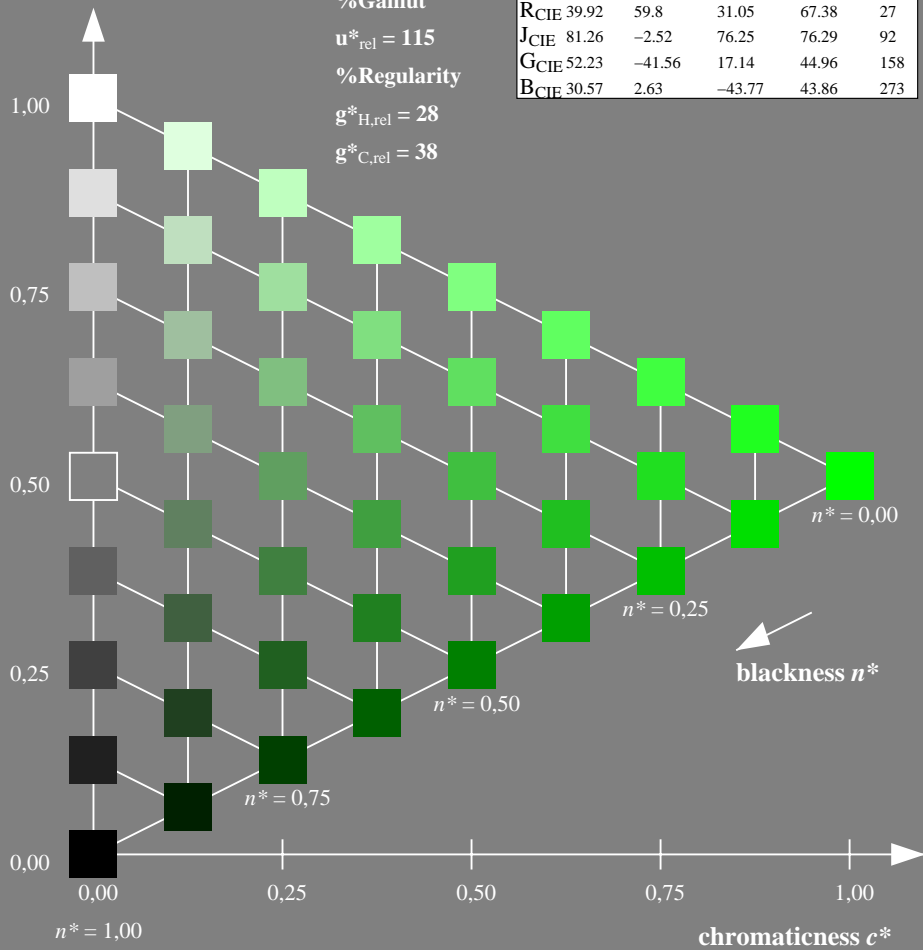
LCH*Ma: 39 77 143

olv*Ma: 0.0 1.0 0.0

triangle lightness t*

%Gamut

u*rel = 115

%Regularity

g*H,rel = 28

g*C,rel = 38

FRS06; adapted (a) CIELAB data					
	$L*=L*_a$	$a*_a$	$b*_a$	$C*_{ab,a}$	$h*_{ab,a}$
O_{Ma}	32.57	62.32	46.49	77.75	37
Y_{Ma}	82.73	−3.16	113.99	114.03	92
L_{Ma}	39.43	−61.79	45.84	76.95	143
C_{Ma}	47.86	−26.79	−34.24	43.49	232
V_{Ma}	10.16	55.12	−61.03	82.24	312
M_{Ma}	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

$n* = 0,00$

$n* = 0,25$

blackness n*

$n* = 0,50$

$n* = 0,75$

$n* = 1,00$

chromaticness c*

Output: Colorimetric Printer Reflective System FRS06

for hue *h* = lab*h = 143/360 = 0.398*

lab*tch and *lab*nch*

D65: hue L

LCH*Ma: 39 77 143

olv*Ma: 0.0 1.0 0.0

triangle lightness t*

%Gamut

u*rel = 115

%Regularity

g*H,rel = 28

g*C,rel = 38

FRS06; adapted (a) CIELAB data					
	$L*=L*_a$	$a*_a$	$b*_a$	$C*_{ab,a}$	$h*_{ab,a}$
O_{Ma}	32.57	62.32	46.49	77.75	37
Y_{Ma}	82.73	−3.16	113.99	114.03	92
L_{Ma}	39.43	−61.79	45.84	76.95	143
C_{Ma}	47.86	−26.79	−34.24	43.49	232
V_{Ma}	10.16	55.12	−61.03	82.24	312
M_{Ma}	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

$n*=0,00$

$n*=0,20$

$n*=0,40$

blackness n*

$n*=0,60$

$n*=0,80$

$n*=1,00$

chromaticness c*

XE670−7, 9 step scales for constant CIELAB hue 143/360 = 0.398 (left)   16 step scales for constant CIELAB hue 143/360 = 0.398 (right)

Input: Colorimetric Printer Reflective System FRS06
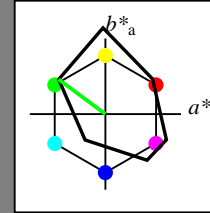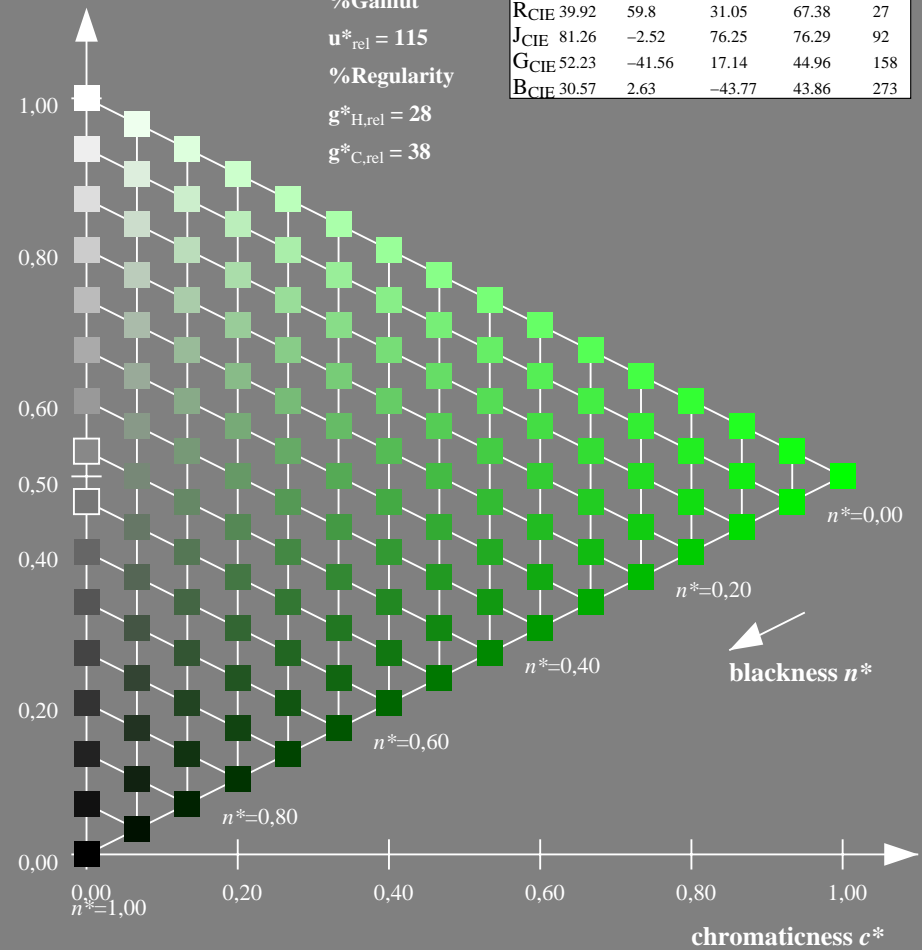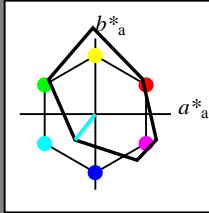
for hue $h^* = lab^*h = 232/360 = 0.644$

*lab*tch* and *lab*nch*

D65: hue C

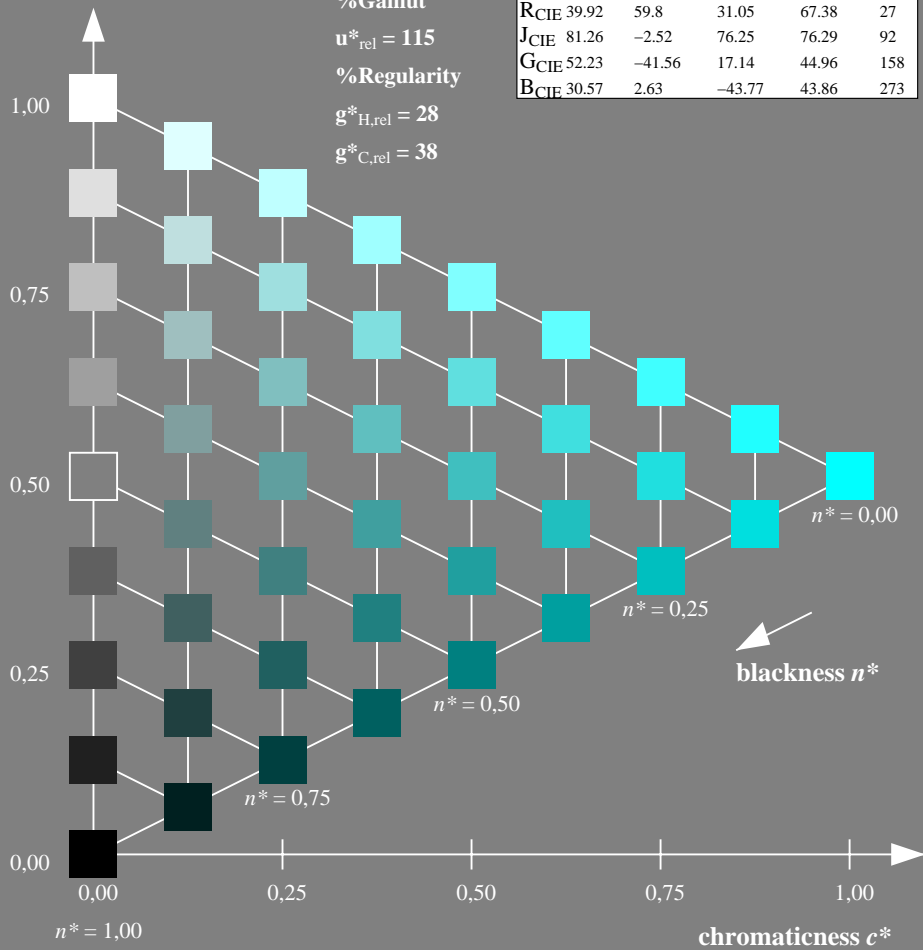**LCH*Ma: 48 43 232**

olv*Ma: 0.0 1.0 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	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma} 32.57	62.32	46.49	77.75	37
Y_{Ma} 82.73	−3.16	113.99	114.03	92
L_{Ma} 39.43	−61.79	45.84	76.95	143
C_{Ma} 47.86	−26.79	−34.24	43.49	232
V_{Ma} 10.16	55.12	−61.03	82.24	312
M_{Ma} 34.5	80.68	−33.92	87.52	337
N_{Ma} 6.25	0.0	0.0	0.0	0
W_{Ma} 91.97	0.0	0.0	0.0	0
R_{CIE} 39.92	59.8	31.05	67.38	27
J_{CIE} 81.26	−2.52	76.25	76.29	92
G_{CIE} 52.23	−41.56	17.14	44.96	158
B_{CIE} 30.57	2.63	−43.77	43.86	273

1,00

0,75

0,50

0,25

0,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

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

*lab*tch* and *lab*nch*

D65: hue C

LCH*Ma: 48 43 232

olv*Ma: 0.0 1.0 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	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma} 32.57	62.32	46.49	77.75	37
Y_{Ma} 82.73	−3.16	113.99	114.03	92
L_{Ma} 39.43	−61.79	45.84	76.95	143
C_{Ma} 47.86	−26.79	−34.24	43.49	232
V_{Ma} 10.16	55.12	−61.03	82.24	312
M_{Ma} 34.5	80.68	−33.92	87.52	337
N_{Ma} 6.25	0.0	0.0	0.0	0
W_{Ma} 91.97	0.0	0.0	0.0	0
R_{CIE} 39.92	59.8	31.05	67.38	27
J_{CIE} 81.26	−2.52	76.25	76.29	92
G_{CIE} 52.23	−41.56	17.14	44.96	158
B_{CIE} 30.57	2.63	−43.77	43.86	273

1,00

0,80

0,60

0,50

0,40

0,20

0,00

$n^*=0,00$

$n^*=0,20$

$n^*=0,40$

$n^*=0,60$

$n^*=0,80$

$n^*=1,00$

blackness n^*

chromaticness c^*

XE670−7, 9 step scales for constant CIELAB hue 232/360 = 0.644 (left)

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

Input: Colorimetric Printer Reflective System FRS06
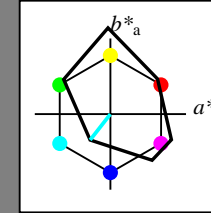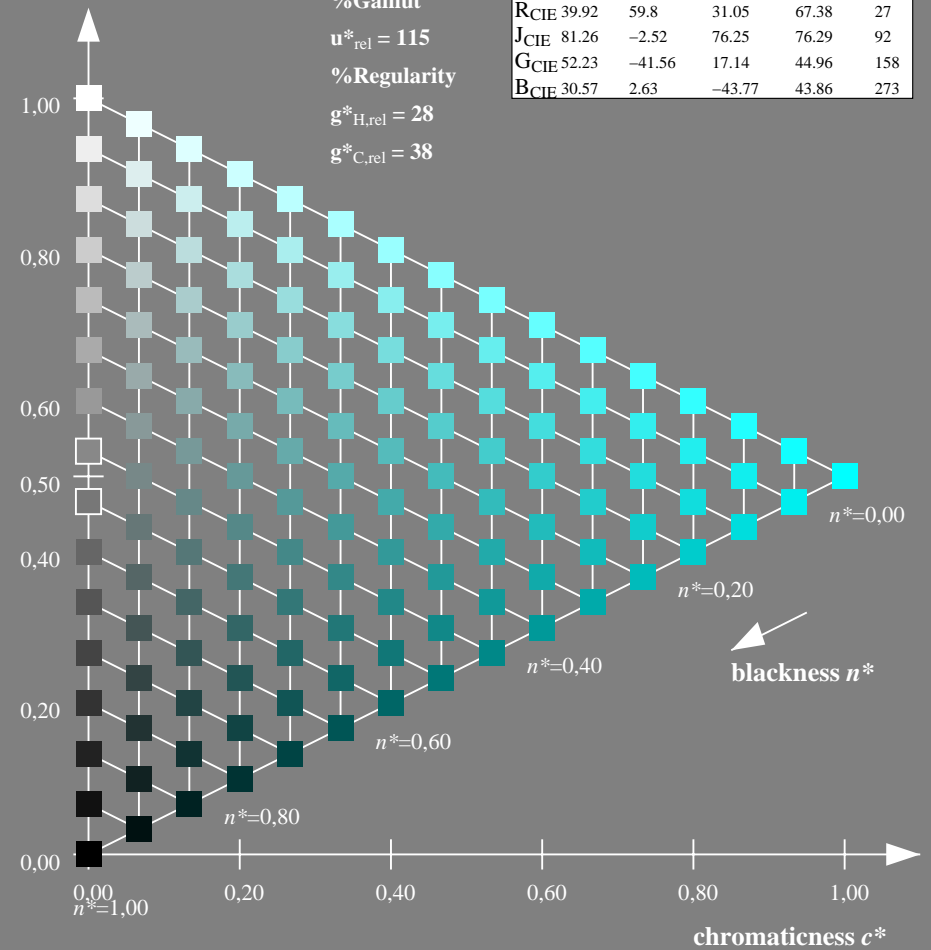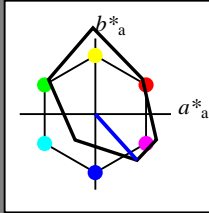
for hue *h* = *lab*h* = 312/360 = 0.867*

*lab*tch* and *lab*nch*

D65: hue V

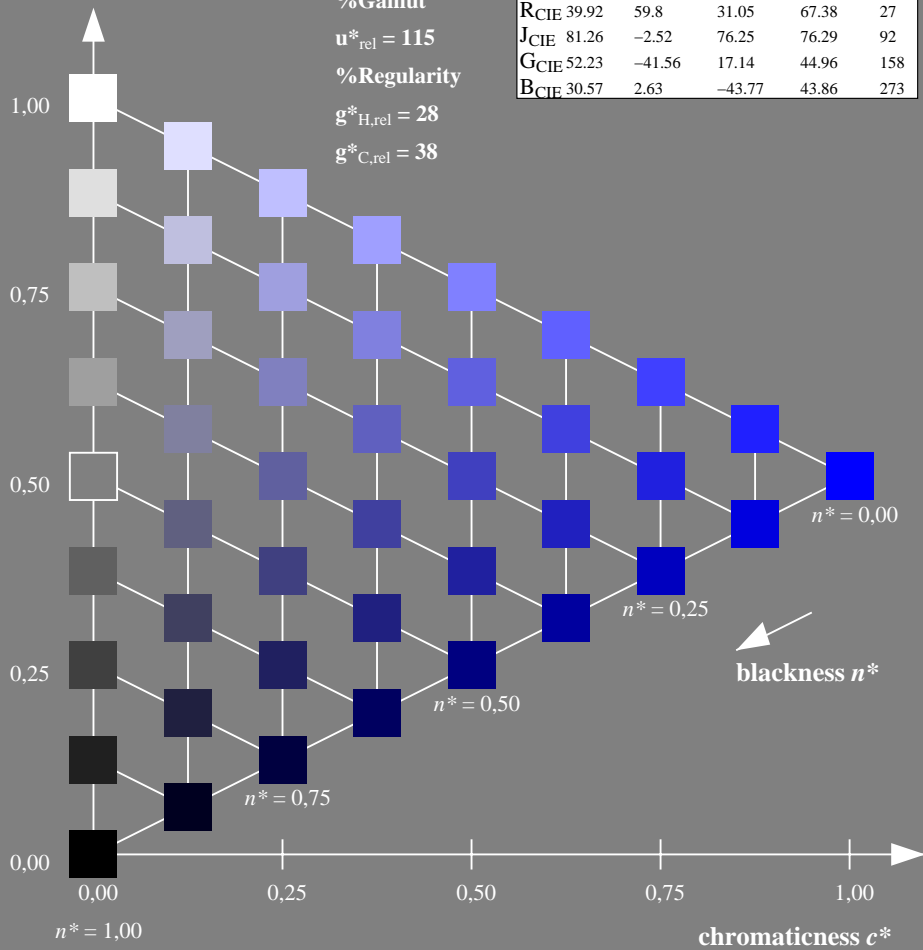**LCH*Ma: 10 82 312**

olv*Ma: 0.0 0.0 1.0

triangle lightness *t**

FRS06; adapted (a) CIELAB data				
$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O$_{Ma}$ 32.57	62.32	46.49	77.75	37
Y$_{Ma}$ 82.73	−3.16	113.99	114.03	92
L$_{Ma}$ 39.43	−61.79	45.84	76.95	143
C$_{Ma}$ 47.86	−26.79	−34.24	43.49	232
V$_{Ma}$ 10.16	55.12	−61.03	82.24	312
M$_{Ma}$ 34.5	80.68	−33.92	87.52	337
N$_{Ma}$ 6.25	0.0	0.0	0.0	0
W$_{Ma}$ 91.97	0.0	0.0	0.0	0
R$_{CIE}$ 39.92	59.8	31.05	67.38	27
J$_{CIE}$ 81.26	−2.52	76.25	76.29	92
G$_{CIE}$ 52.23	−41.56	17.14	44.96	158
B$_{CIE}$ 30.57	2.63	−43.77	43.86	273

%Gamut

u*rel = 115

%Regularity

g*H,rel = 28

g*C,rel = 38

1,00

0,75

0,50

0,25

0,00

n = 0,00*

n = 0,25*

n = 0,50*

n = 0,75*

n = 1,00*

blackness *n*

chromaticness *c**

0,00   0,25   0,50   0,75   1,00

Output: Colorimetric Printer Reflective System FRS06

for hue *h* = *lab*h* = 312/360 = 0.867*

*lab*tch* and *lab*nch*

D65: hue V

LCH*Ma: 10 82 312

olv*Ma: 0.0 0.0 1.0

triangle lightness *t**

FRS06; adapted (a) CIELAB data				
$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O$_{Ma}$ 32.57	62.32	46.49	77.75	37
Y$_{Ma}$ 82.73	−3.16	113.99	114.03	92
L$_{Ma}$ 39.43	−61.79	45.84	76.95	143
C$_{Ma}$ 47.86	−26.79	−34.24	43.49	232
V$_{Ma}$ 10.16	55.12	−61.03	82.24	312
M$_{Ma}$ 34.5	80.68	−33.92	87.52	337
N$_{Ma}$ 6.25	0.0	0.0	0.0	0
W$_{Ma}$ 91.97	0.0	0.0	0.0	0
R$_{CIE}$ 39.92	59.8	31.05	67.38	27
J$_{CIE}$ 81.26	−2.52	76.25	76.29	92
G$_{CIE}$ 52.23	−41.56	17.14	44.96	158
B$_{CIE}$ 30.57	2.63	−43.77	43.86	273

%Gamut

u*rel = 115

%Regularity

g*H,rel = 28

g*C,rel = 38

1,00

0,80

0,60

0,40

0,20

0,00

n=0,00*

n=0,20*

n=0,40*

n=0,60*

n=0,80*

n=1,00*

blackness *n*

chromaticness *c**

0,00   0,20   0,40   0,60   0,80   1,00

XE670−7, 9 step scales for constant CIELAB hue 312/360 = 0.867 (left)

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

Input: Colorimetric Printer Reflective System FRS06
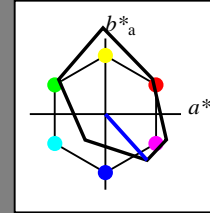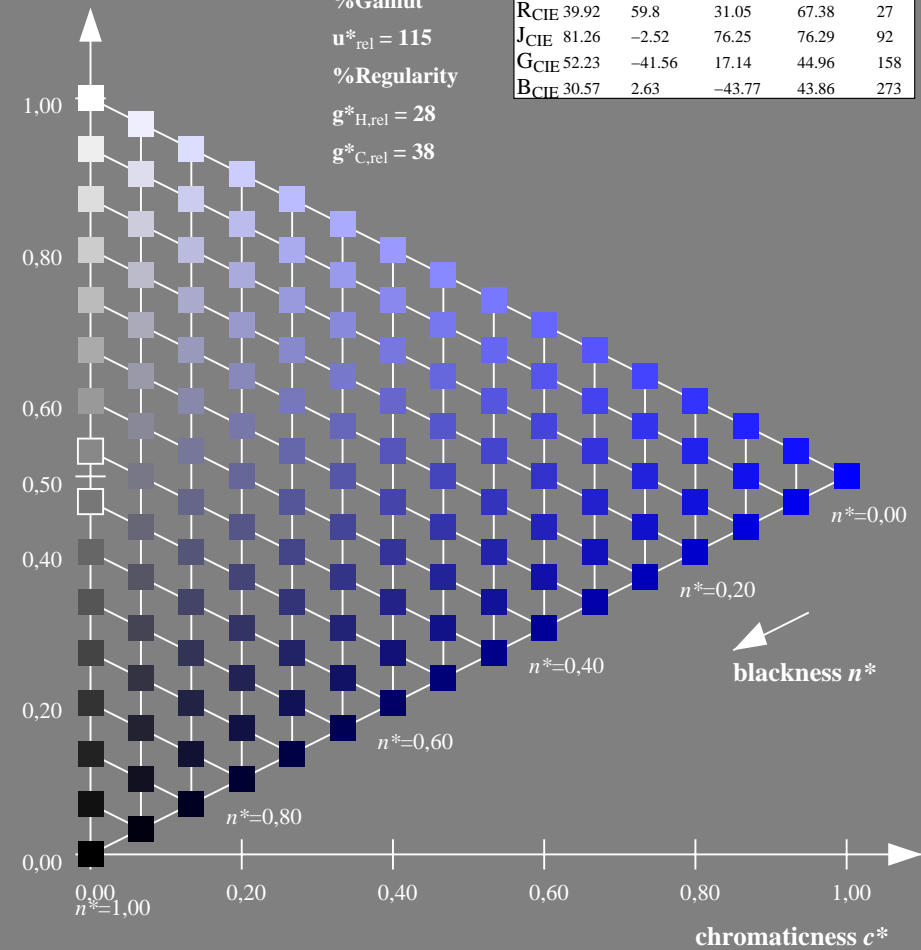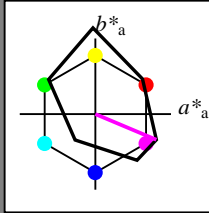
for hue $h^* = lab^*h = 337/360 = 0.937$

lab*tch and *lab*nch*

D65: hue M
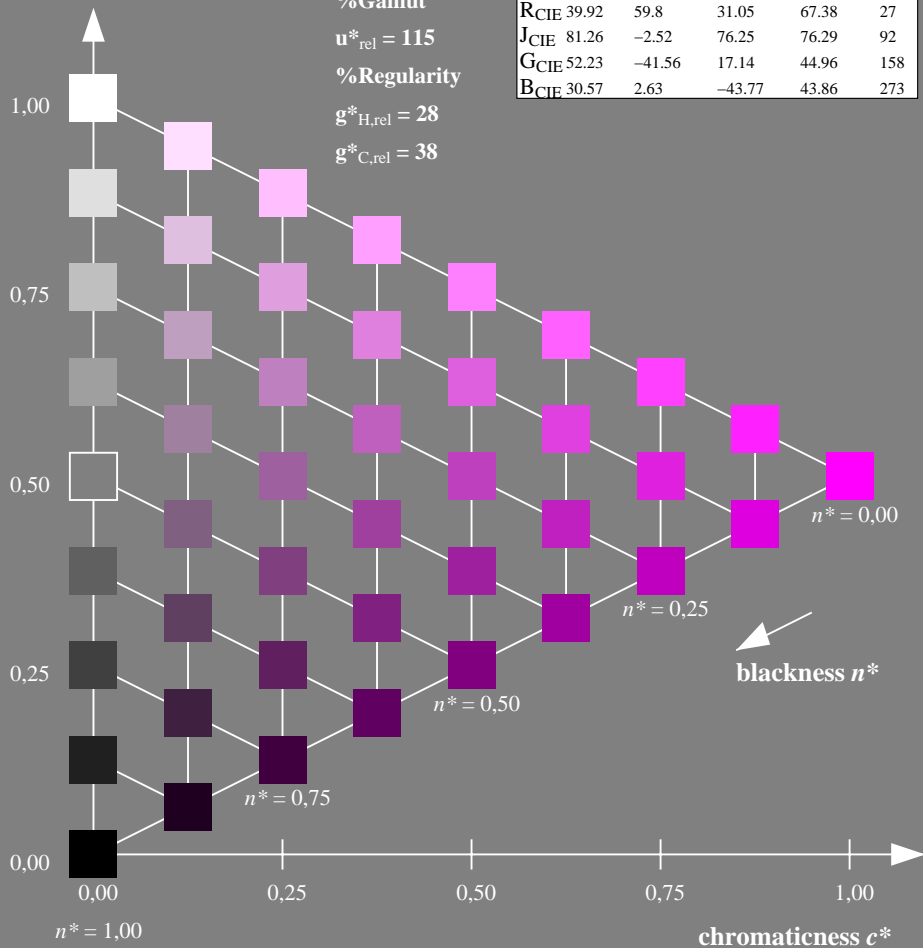
LCH*Ma: 35 88 337

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*

FRS06; adapted (a) CIELAB data				
$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma} 32.57	62.32	46.49	77.75	37
Y_{Ma} 82.73	−3.16	113.99	114.03	92
L_{Ma} 39.43	−61.79	45.84	76.95	143
C_{Ma} 47.86	−26.79	−34.24	43.49	232
V_{Ma} 10.16	55.12	−61.03	82.24	312
M_{Ma} 34.5	80.68	−33.92	87.52	337
N_{Ma} 6.25	0.0	0.0	0.0	0
W_{Ma} 91.97	0.0	0.0	0.0	0
R_{CIE} 39.92	59.8	31.05	67.38	27
J_{CIE} 81.26	−2.52	76.25	76.29	92
G_{CIE} 52.23	−41.56	17.14	44.96	158
B_{CIE} 30.57	2.63	−43.77	43.86	273

%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

1,00

0,75

0,50

0,25

0,00

0,00   0,25   0,50   0,75   1,00

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

blackness n^*

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

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

lab*tch and *lab*nch*

D65: hue M

LCH*Ma: 35 88 337

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*

FRS06; adapted (a) CIELAB data				
$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma} 32.57	62.32	46.49	77.75	37
Y_{Ma} 82.73	−3.16	113.99	114.03	92
L_{Ma} 39.43	−61.79	45.84	76.95	143
C_{Ma} 47.86	−26.79	−34.24	43.49	232
V_{Ma} 10.16	55.12	−61.03	82.24	312
M_{Ma} 34.5	80.68	−33.92	87.52	337
N_{Ma} 6.25	0.0	0.0	0.0	0
W_{Ma} 91.97	0.0	0.0	0.0	0
R_{CIE} 39.92	59.8	31.05	67.38	27
J_{CIE} 81.26	−2.52	76.25	76.29	92
G_{CIE} 52.23	−41.56	17.14	44.96	158
B_{CIE} 30.57	2.63	−43.77	43.86	273

%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

1,00

0,80

0,60

0,40

0,20

0,00

0,00   0,20   0,40   0,60   0,80   1,00

$n^*=1,00$

$n^*=0,00$

$n^*=0,20$

$n^*=0,40$

blackness n^*

$n^*=0,60$

$n^*=0,80$

chromaticness c^*

XE670−7, 9 step scales for constant CIELAB hue 337/360 = 0.937 (left)   16 step scales for constant CIELAB hue 337/360 = 0.937 (right)

Input: Colorimetric Printer Reflective System FRS06
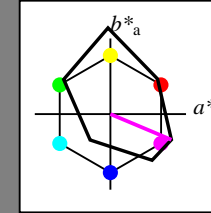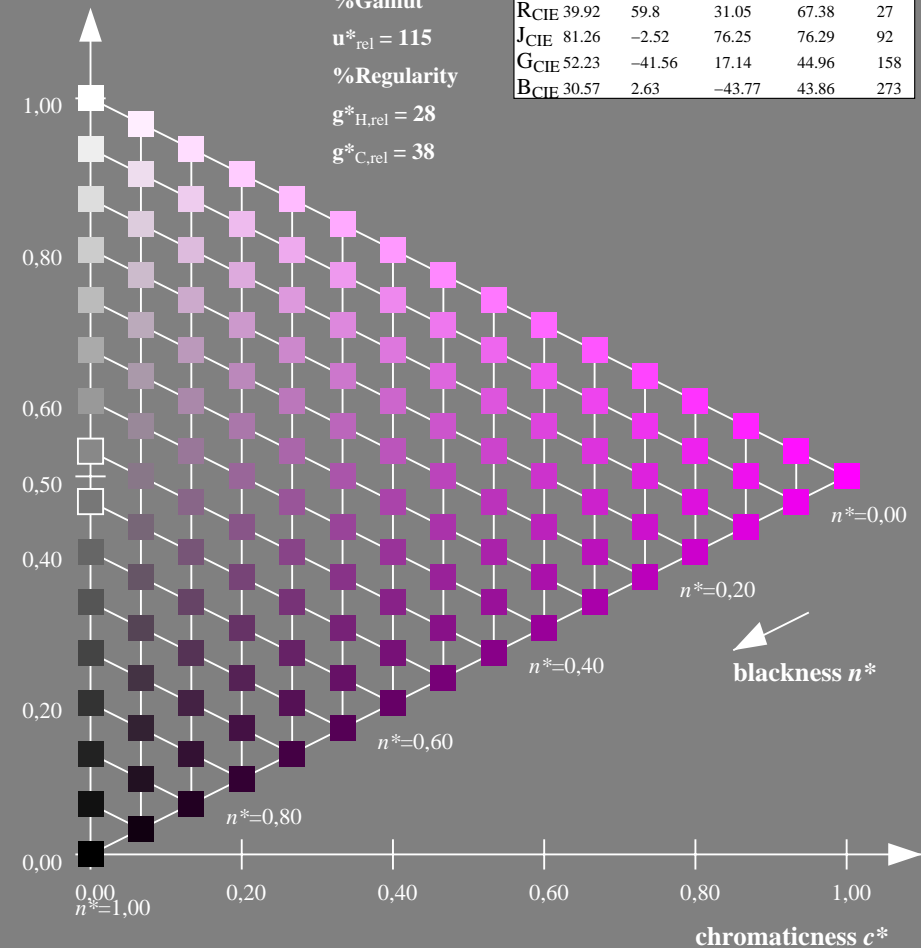
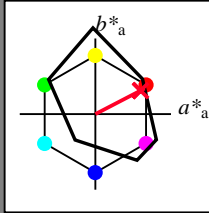for hue $h^* = lab^*h = 27/360 = 0.076$

*lab*tch* and *lab*nch*

D65: hue R

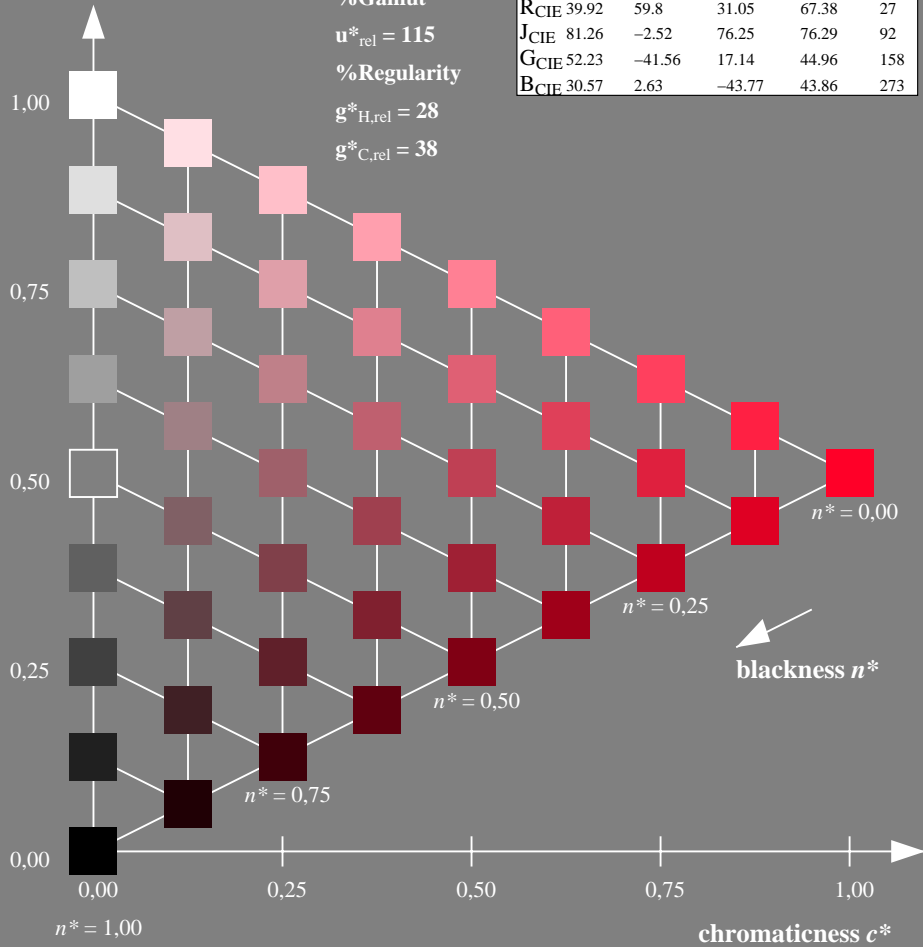**LCH*Ma: 33 73 27**

olv*Ma: 1.0 0.0 0.16

triangle lightness t^*

FRS06; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	32.57	62.32	46.49	77.75	37
Y_{Ma}	82.73	−3.16	113.99	114.03	92
L_{Ma}	39.43	−61.79	45.84	76.95	143
C_{Ma}	47.86	−26.79	−34.24	43.49	232
V_{Ma}	10.16	55.12	−61.03	82.24	312
M_{Ma}	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

$n^* = 0,00$
$n^* = 0,25$
$n^* = 0,50$
blackness n^*
$n^* = 0,75$
$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

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

*lab*tch* and *lab*nch*

D65: hue R

LCH*Ma: 33 73 27

olv*Ma: 1.0 0.0 0.16

triangle lightness t^*

FRS06; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	32.57	62.32	46.49	77.75	37
Y_{Ma}	82.73	−3.16	113.99	114.03	92
L_{Ma}	39.43	−61.79	45.84	76.95	143
C_{Ma}	47.86	−26.79	−34.24	43.49	232
V_{Ma}	10.16	55.12	−61.03	82.24	312
M_{Ma}	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

$n^*=0,00$
$n^*=0,20$
$n^*=0,40$
blackness n^*
$n^*=0,60$
$n^*=0,80$
$n^*=1,00$

chromaticness c^*

XE670−7, 9 step scales for constant CIELAB hue 27/360 = 0.076 (left)

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

Input: Colorimetric Printer Reflective System FRS06
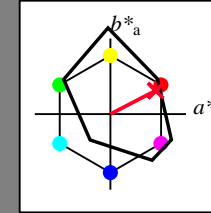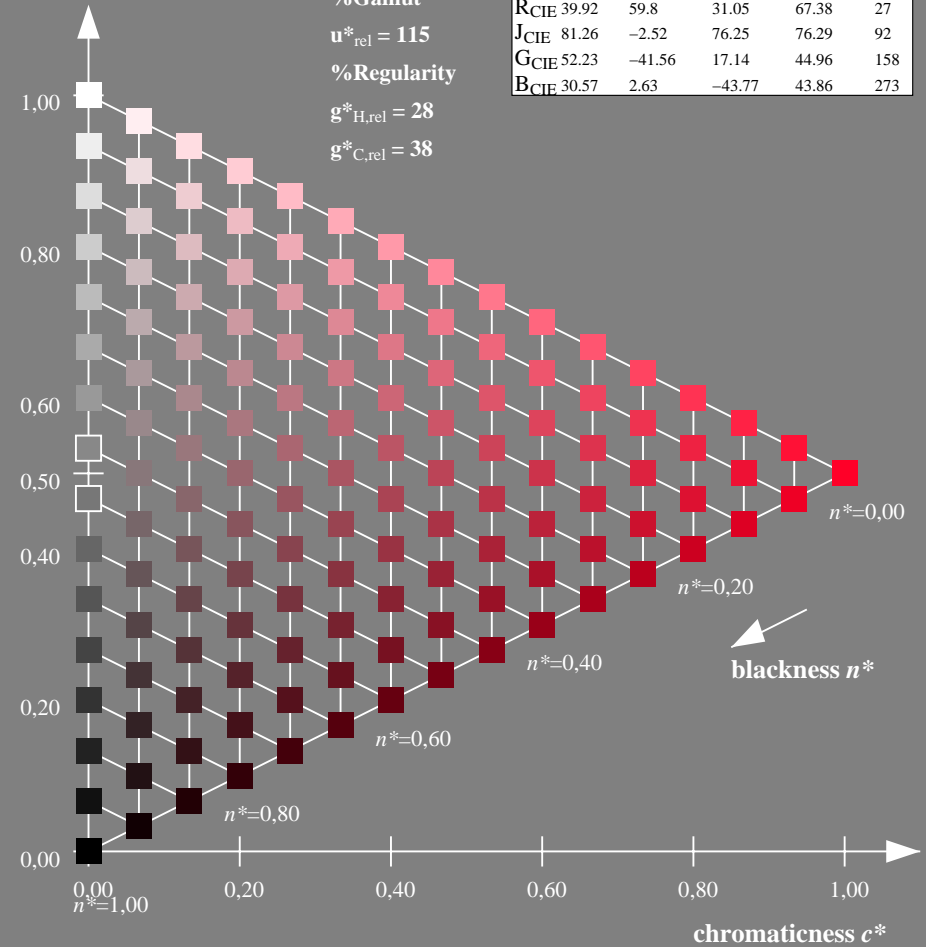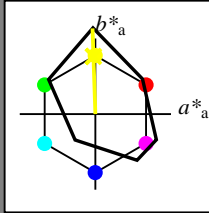
for hue $h^* = lab^*h = 92/360 = 0.255$

lab*tch and *lab*nch*

D65: hue J

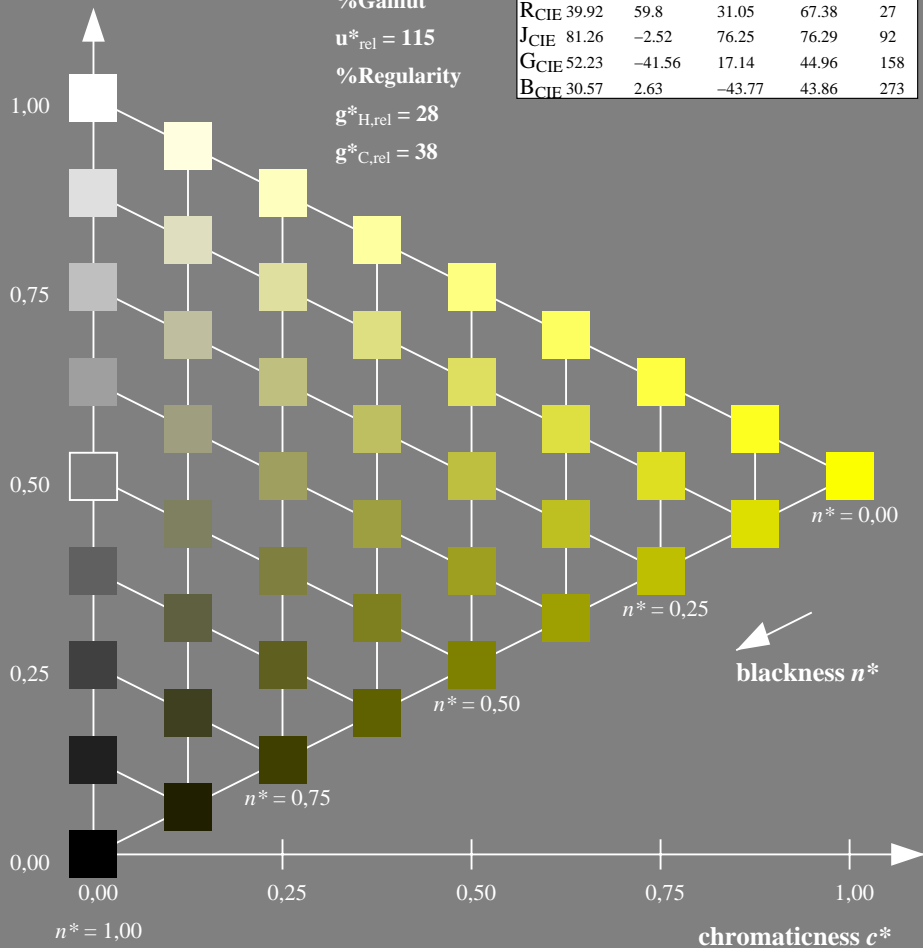**LCH*Ma: 82 113 92**

olv*Ma: 0.99 1.0 0.0

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	32.57	62.32	46.49	77.75	37
Y_{Ma}	82.73	−3.16	113.99	114.03	92
L_{Ma}	39.43	−61.79	45.84	76.95	143
C_{Ma}	47.86	−26.79	−34.24	43.49	232
V_{Ma}	10.16	55.12	−61.03	82.24	312
M_{Ma}	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

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

lab*tch and *lab*nch*

D65: hue J

LCH*Ma: 82 113 92

olv*Ma: 0.99 1.0 0.0

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	32.57	62.32	46.49	77.75	37
Y_{Ma}	82.73	−3.16	113.99	114.03	92
L_{Ma}	39.43	−61.79	45.84	76.95	143
C_{Ma}	47.86	−26.79	−34.24	43.49	232
V_{Ma}	10.16	55.12	−61.03	82.24	312
M_{Ma}	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

$n^*=0,00$

$n^*=0,20$

$n^*=0,40$

blackness n^*

$n^*=0,60$

$n^*=0,80$

$n^*=1,00$

chromaticness c^*

XE670−7, 9 step scales for constant CIELAB hue 92/360 = 0.255 (left)

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

Input: Colorimetric Printer Reflective System FRS06

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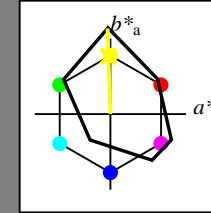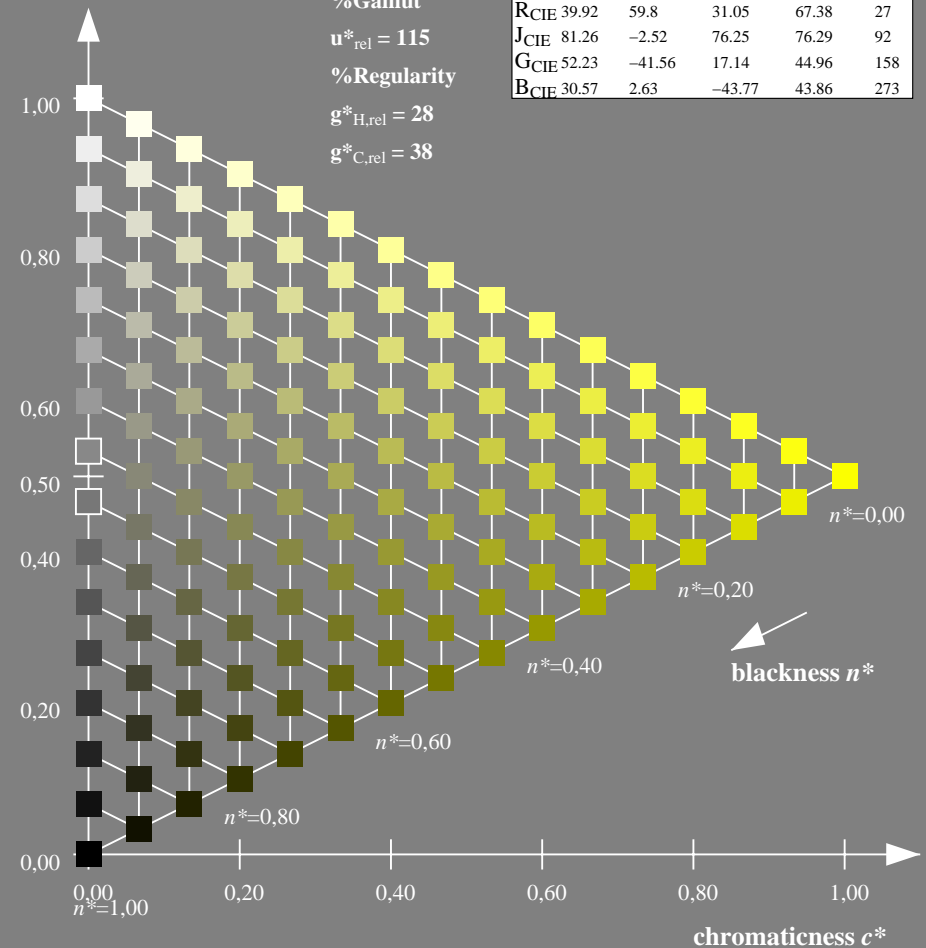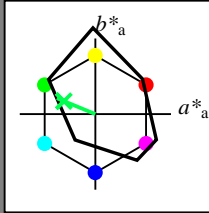
lab*tch and *lab*nch*

D65: hue G
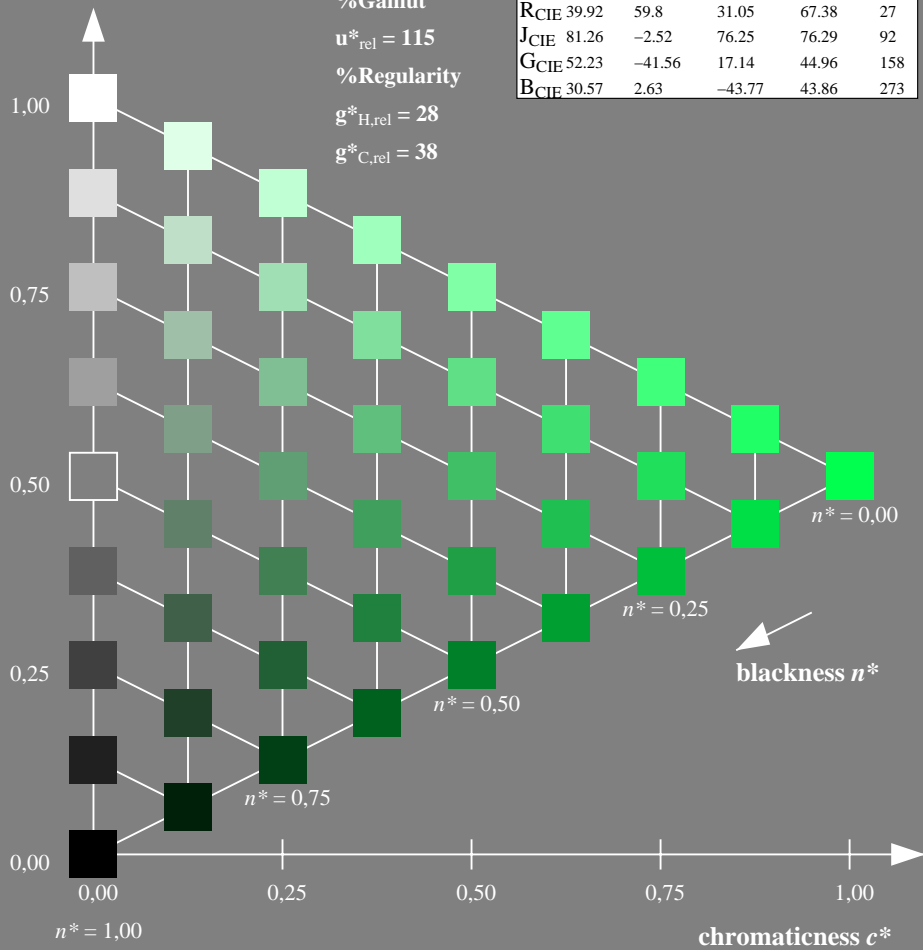
LCH*Ma: 42 55 158

olv*Ma: 0.0 1.0 0.31

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	32.57	62.32	46.49	77.75	37
Y_{Ma}	82.73	−3.16	113.99	114.03	92
L_{Ma}	39.43	−61.79	45.84	76.95	143
C_{Ma}	47.86	−26.79	−34.24	43.49	232
V_{Ma}	10.16	55.12	−61.03	82.24	312
M_{Ma}	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

$n^* = 0,50$

$n^* = 0,75$

$n^* = 1,00$

chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

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

lab*tch and *lab*nch*

D65: hue G

LCH*Ma: 42 55 158

olv*Ma: 0.0 1.0 0.31

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	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	32.57	62.32	46.49	77.75	37
Y_{Ma}	82.73	−3.16	113.99	114.03	92
L_{Ma}	39.43	−61.79	45.84	76.95	143
C_{Ma}	47.86	−26.79	−34.24	43.49	232
V_{Ma}	10.16	55.12	−61.03	82.24	312
M_{Ma}	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

$n^*=0,00$

$n^*=0,20$

blackness n^*

$n^*=0,40$

$n^*=0,60$

$n^*=0,80$

$n^*=1,00$

chromaticness c^*

XE670−7, 9 step scales for constant CIELAB hue 158/360 = 0.438 (left)

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

Input: Colorimetric Printer Reflective System FRS06
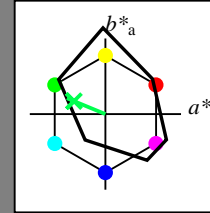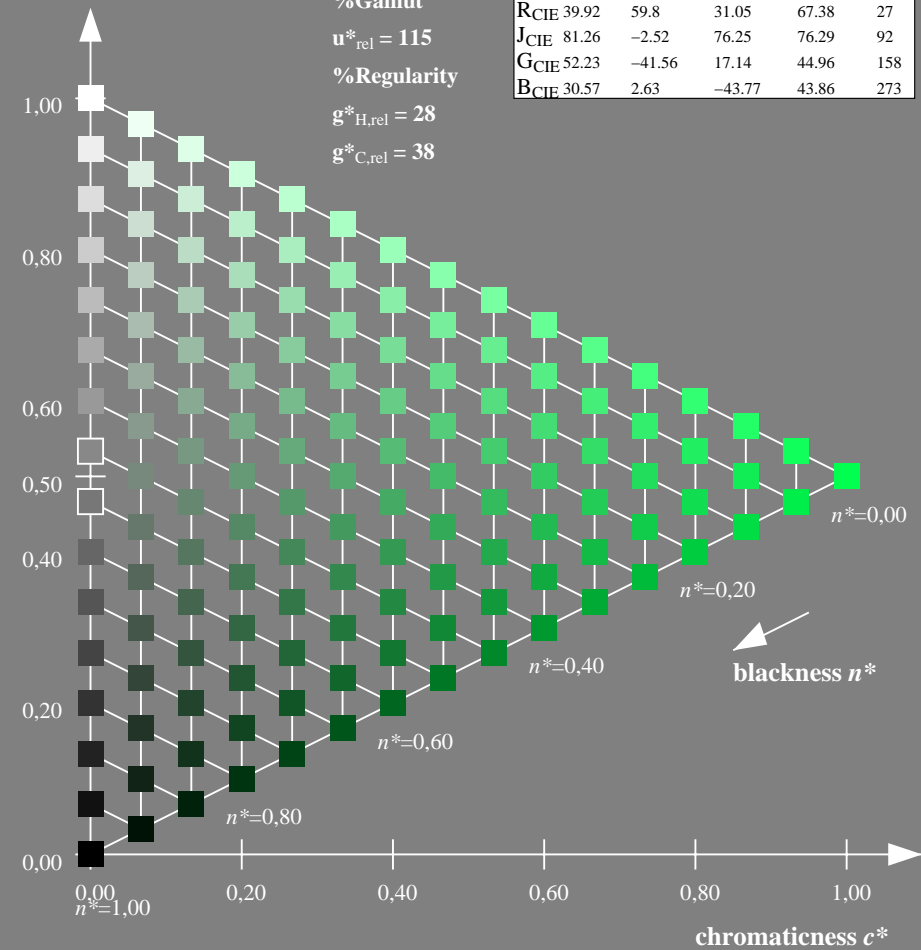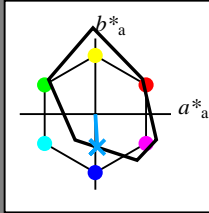
for hue *h* = lab*h = 273/360 = 0.76*

lab*tch and *lab*nch*
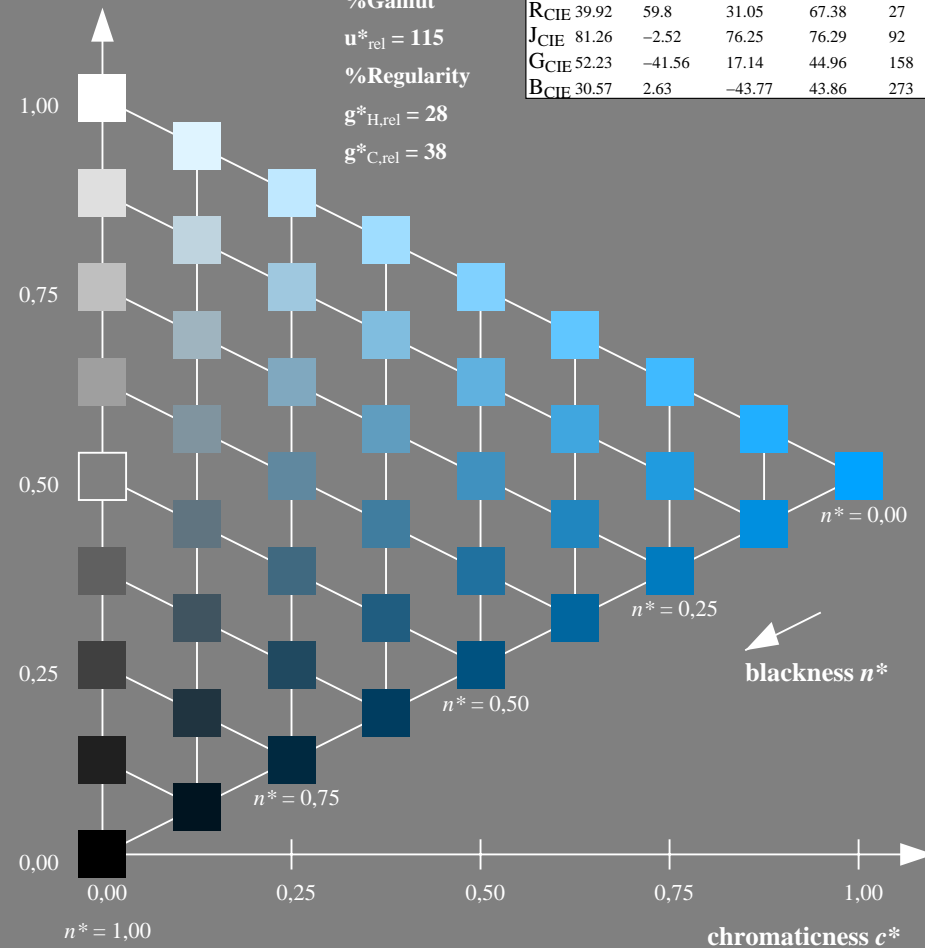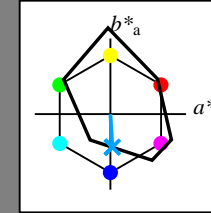
D65: hue B

LCH*Ma: 34 44 273

olv*Ma: 0.0 0.64 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	$C^*_{ab,a}$	$h^*_{ab,a}$
O_Ma 32.57	62.32	46.49	77.75	37
Y_Ma 82.73	−3.16	113.99	114.03	92
L_Ma 39.43	−61.79	45.84	76.95	143
C_Ma 47.86	−26.79	−34.24	43.49	232
V_Ma 10.16	55.12	−61.03	82.24	312
M_Ma 34.5	80.68	−33.92	87.52	337
N_Ma 6.25	0.0	0.0	0.0	0
W_Ma 91.97	0.0	0.0	0.0	0
R_CIE 39.92	59.8	31.05	67.38	27
J_CIE 81.26	−2.52	76.25	76.29	92
G_CIE 52.23	−41.56	17.14	44.96	158
B_CIE 30.57	2.63	−43.77	43.86	273

Output: Colorimetric Printer Reflective System FRS06

for hue *h* = lab*h = 273/360 = 0.76*

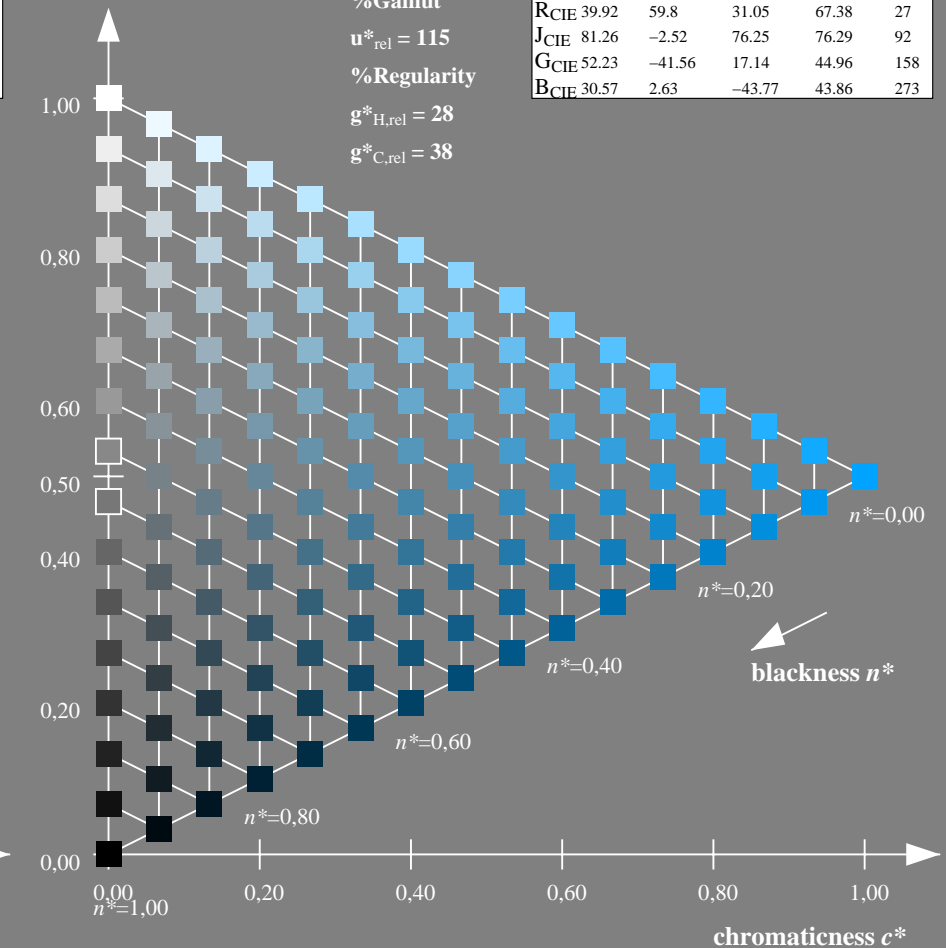*lab*tch* and *lab*nch*

D65: hue B

LCH*Ma: 34 44 273

olv*Ma: 0.0 0.64 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	$C^*_{ab,a}$	$h^*_{ab,a}$
O_Ma 32.57	62.32	46.49	77.75	37
Y_Ma 82.73	−3.16	113.99	114.03	92
L_Ma 39.43	−61.79	45.84	76.95	143
C_Ma 47.86	−26.79	−34.24	43.49	232
V_Ma 10.16	55.12	−61.03	82.24	312
M_Ma 34.5	80.68	−33.92	87.52	337
N_Ma 6.25	0.0	0.0	0.0	0
W_Ma 91.97	0.0	0.0	0.0	0
R_CIE 39.92	59.8	31.05	67.38	27
J_CIE 81.26	−2.52	76.25	76.29	92
G_CIE 52.23	−41.56	17.14	44.96	158
B_CIE 30.57	2.63	−43.77	43.86	273

n* = 0,00

n* = 0,25

blackness n*

n* = 0,50

n* = 0,75

n* = 1,00

chromaticness c*

n*=0,00

n*=0,20

n*=0,40

blackness n*

n*=0,60

n*=0,80

n*=1,00

chromaticness c*

XE670−7, 9 step scales for constant CIELAB hue 273/360 = 0.76 (left)

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