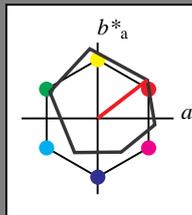


Input: Colorimetric Reflective System ORS18

for hue  $h^* = lab^*h = 38/360 = 0.105$   
 $lab^*tch$  and  $lab^*nch$

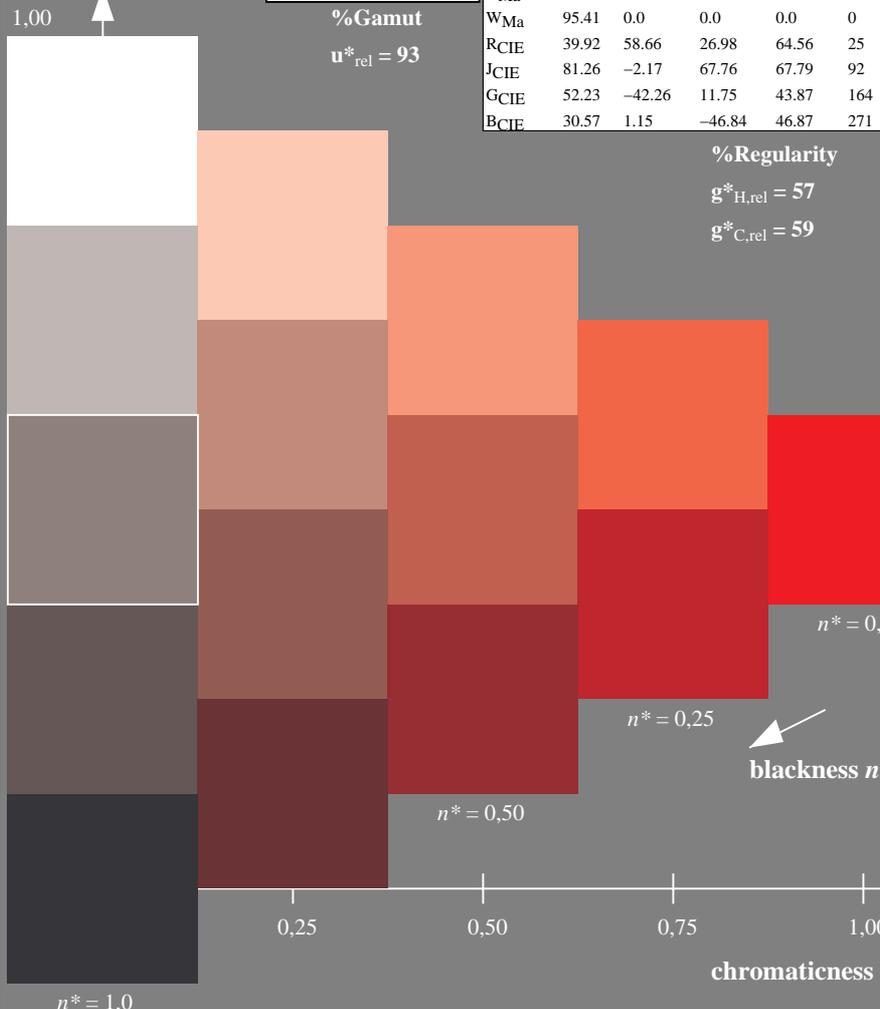
D65: hue O  
 LCH\*Ma: 48 83 38  
 rgb\*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 93$



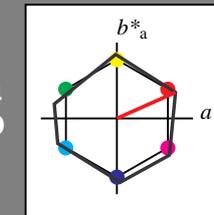
UE420-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Reflective System NRS11

for hue  $h^* = lab^*h = 24/360 = 0.067$   
 $lab^*tch$  and  $lab^*nch$

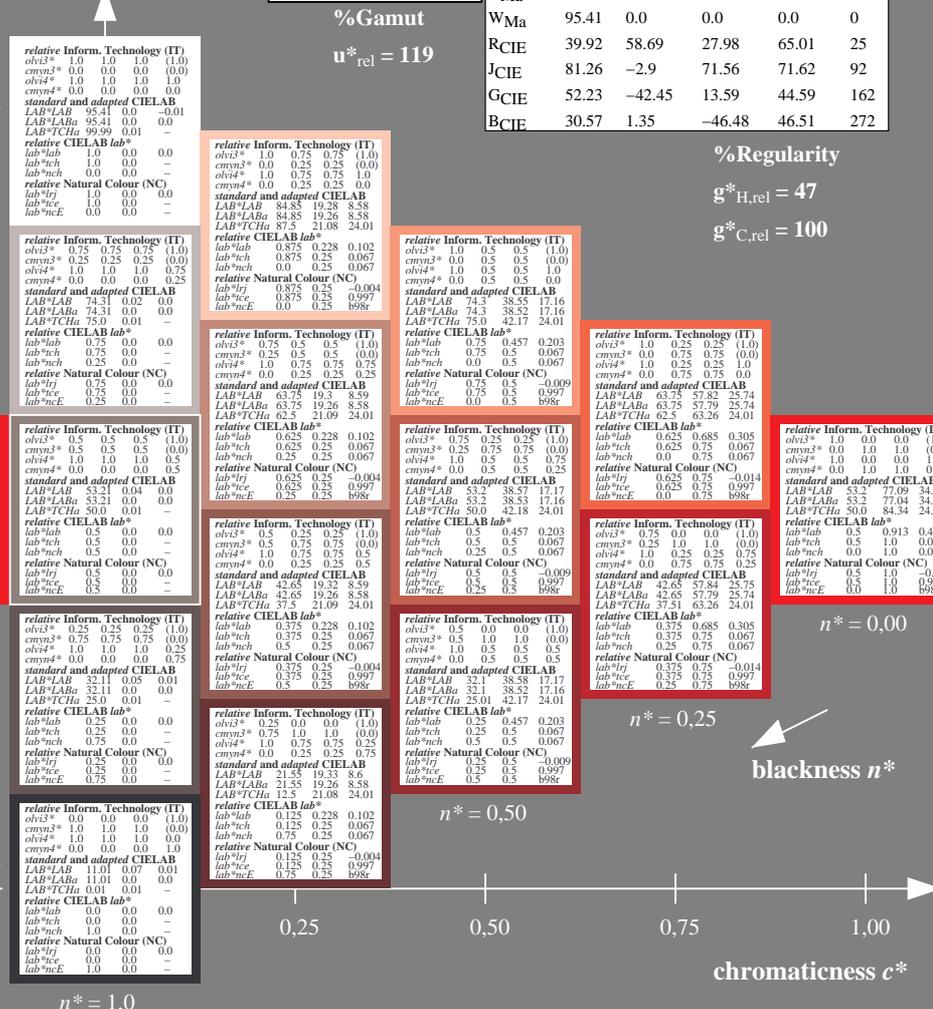
D65: hue R  
 LCH\*Ma: 53 84 24  
 rgb\*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 119$



5 step scales for constant CIELAB hue 24/360 = 0.067 (right)

BAM-test chart UE42; Colorimetric systems ORS18 & NRS11  
 D65: 5 step colour scales and coordinate data for 10 hues

input:  $cmY0^* setcmykcolor$   
 output: no change compared to input

See for similar files: <http://www.ps.bam.de/UE42/>  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=0.0

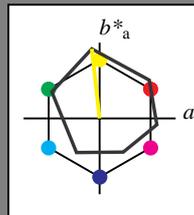
BAM registration: 20060101-UE42/10Q/Q42E00NP.PS/.PDF BAM material: code=rhadt4  
 application for evaluation and measurement of printer or monitor systems  
 /UE42 Form 1/10, Serie: 1/1, Page: 1 Page count: 1

Input: Colorimetric Reflective System ORS18

for hue  $h^* = lab^*h = 96/360 = 0.268$   
 $lab^*tch$  and  $lab^*nch$

D65: hue Y  
 LCH\*Ma: 90 92 96  
 rgb\*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	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	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

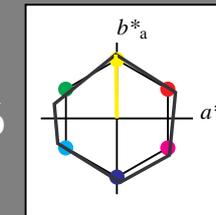
$g^*_{C,rel} = 59$

Output: Colorimetric Reflective System NRS11

for hue  $h^* = lab^*h = 91/360 = 0.253$   
 $lab^*tch$  and  $lab^*nch$

D65: hue J  
 LCH\*Ma: 53 84 91  
 rgb\*Ma: 1.0 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 119$

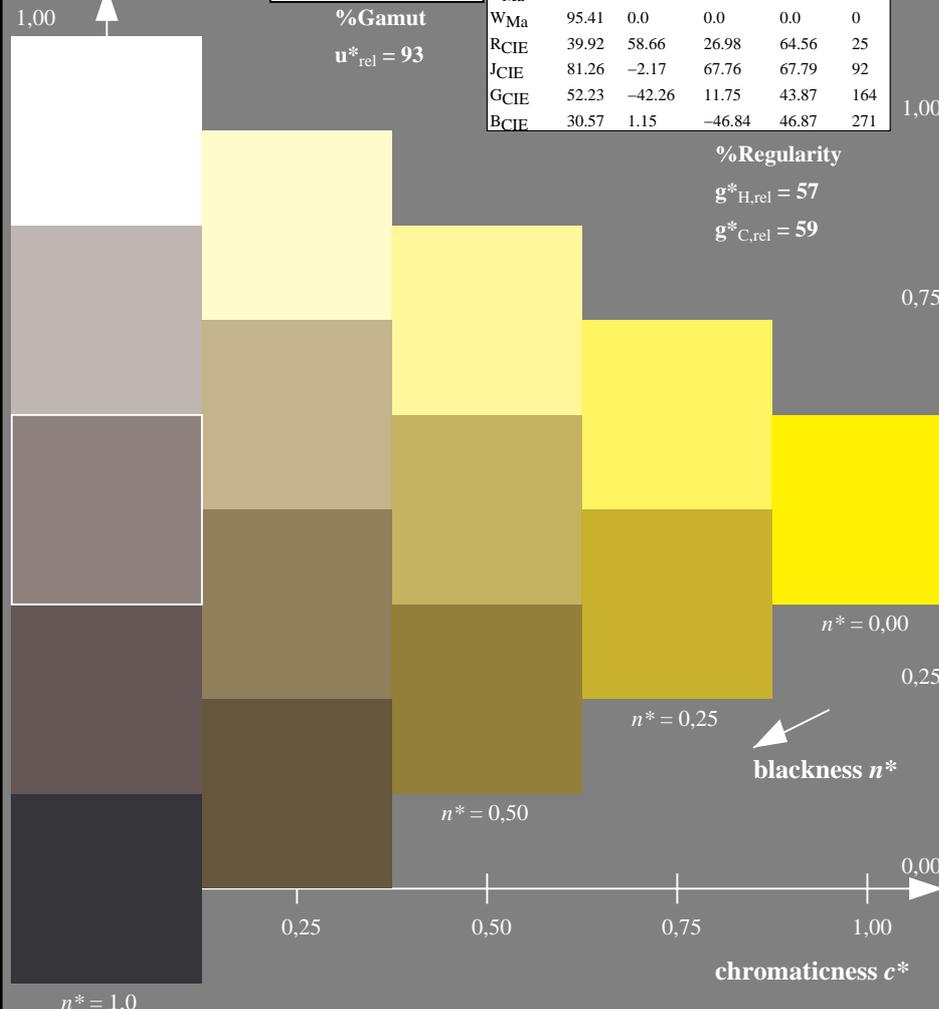
NRS11; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

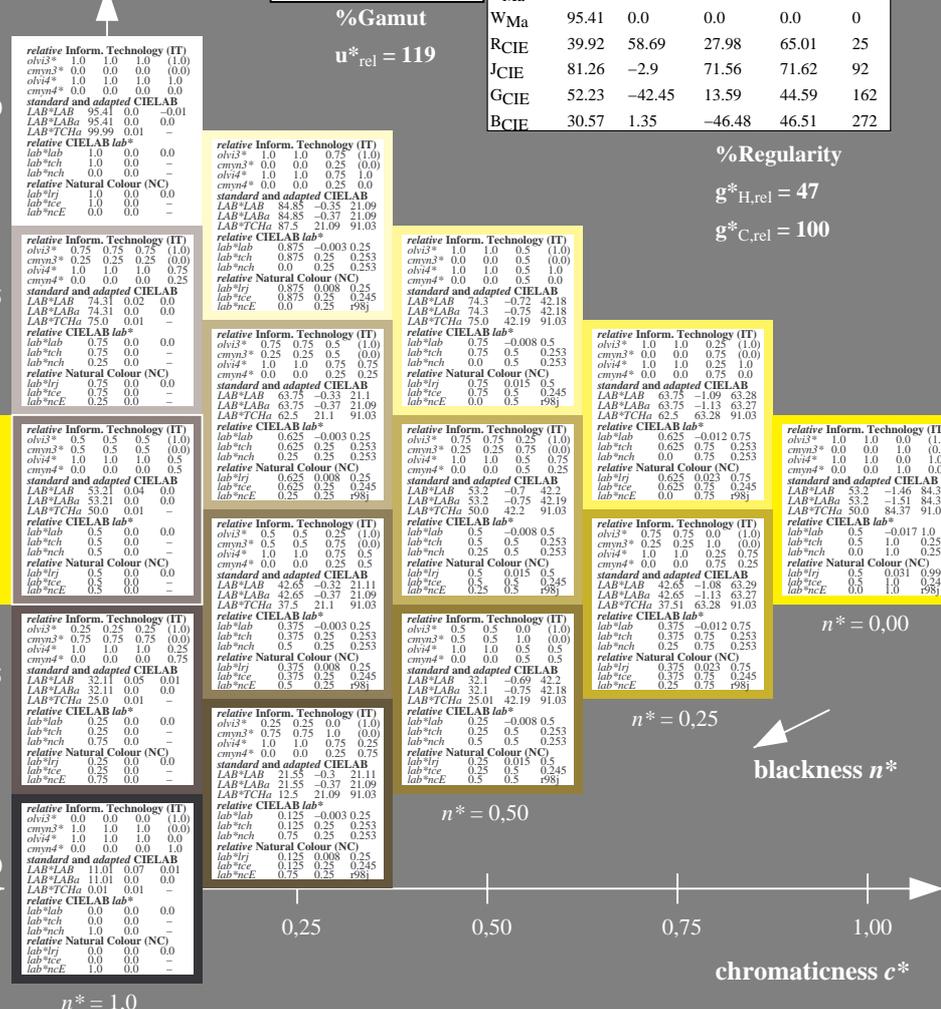
%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



UE420-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)



5 step scales for constant CIELAB hue 91/360 = 0.253 (right)

BAM-test chart UE42; Colorimetric systems ORS18 & NRS11  
 D65: 5 step colour scales and coordinate data for 10 hues

input:  $cmY0^* setcmykcolor$   
 output: no change compared to input

See for similar files: <http://www.ps.bam.de/UE42/>  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=0,0

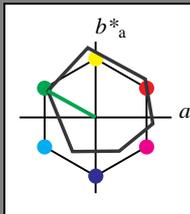
BAM registration: 20060101-UE42/10Q/Q42E01NP.PS/.PDF BAM material: code=rhadt4  
 application for evaluation and measurement of printer or monitor systems  
 /UE42 Form 2/10, Serie: 1/1, Page: 2 Page count: 2

Input: Colorimetric Reflective System ORS18

for hue  $h^* = lab^*h = 151/360 = 0.419$   
 $lab^*tch$  and  $lab^*nch$

D65: hue L  
 LCH\*Ma: 51 72 151  
 rgb\*Ma: 0.0 1.0 0.0

triangle lightness



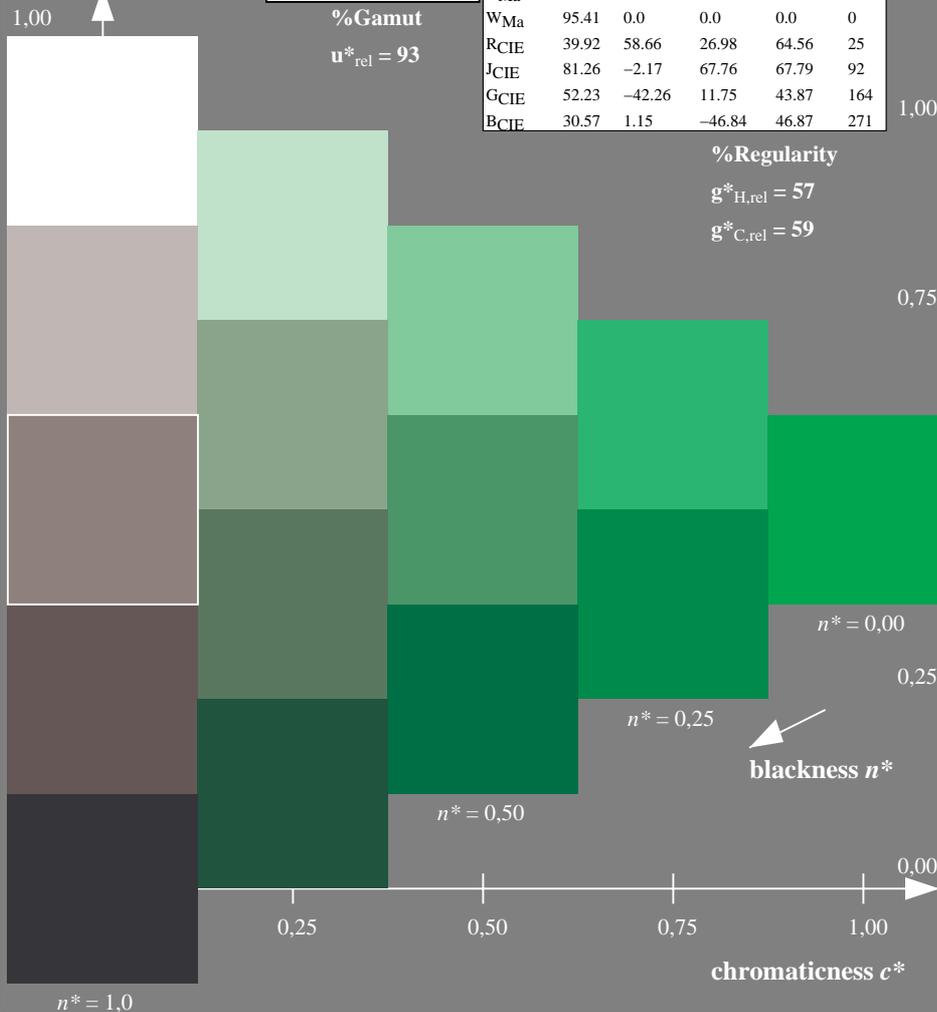
ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	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	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

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



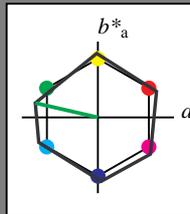
UE420-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

Output: Colorimetric Reflective System NRS11

for hue  $h^* = lab^*h = 167/360 = 0.464$   
 $lab^*tch$  and  $lab^*nch$

D65: hue G  
 LCH\*Ma: 53 84 167  
 rgb\*Ma: 0.0 1.0 0.0

triangle lightness



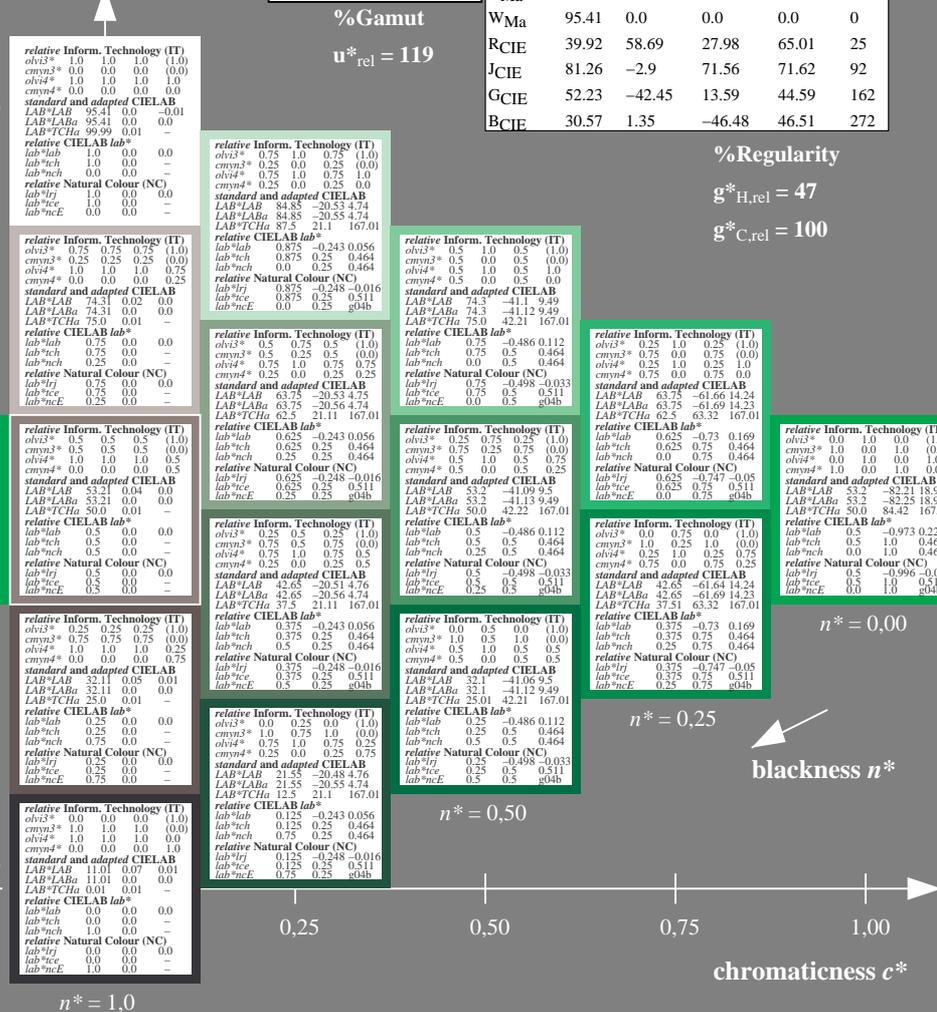
NRS11; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



5 step scales for constant CIELAB hue 167/360 = 0.464 (right)

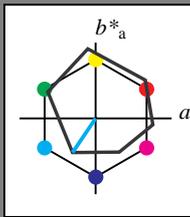
BAM-test chart UE42; Colorimetric systems ORS18 & NRS11  
 D65: 5 step colour scales and coordinate data for 10 hues

input:  $cmY0^* setcmykcolor$   
 output: no change compared to input

Input: Colorimetric Reflective System ORS18

for hue  $h^* = lab^*h = 236/360 = 0.656$   
 $lab^*tch$  and  $lab^*nch$

D65: hue C  
 LCH\*Ma: 59 54 236  
 rgb\*Ma: 0.0 1.0 1.0  
 triangle lightness



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	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	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

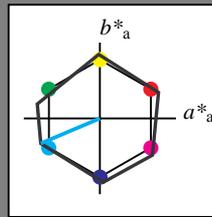
$g^*_{H,rel} = 57$

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

Output: Colorimetric Reflective System NRS11

for hue  $h^* = lab^*h = 203/360 = 0.564$   
 $lab^*tch$  and  $lab^*nch$

D65: hue G50B  
 LCH\*Ma: 53 84 203  
 rgb\*Ma: 0.0 1.0 1.0  
 triangle lightness



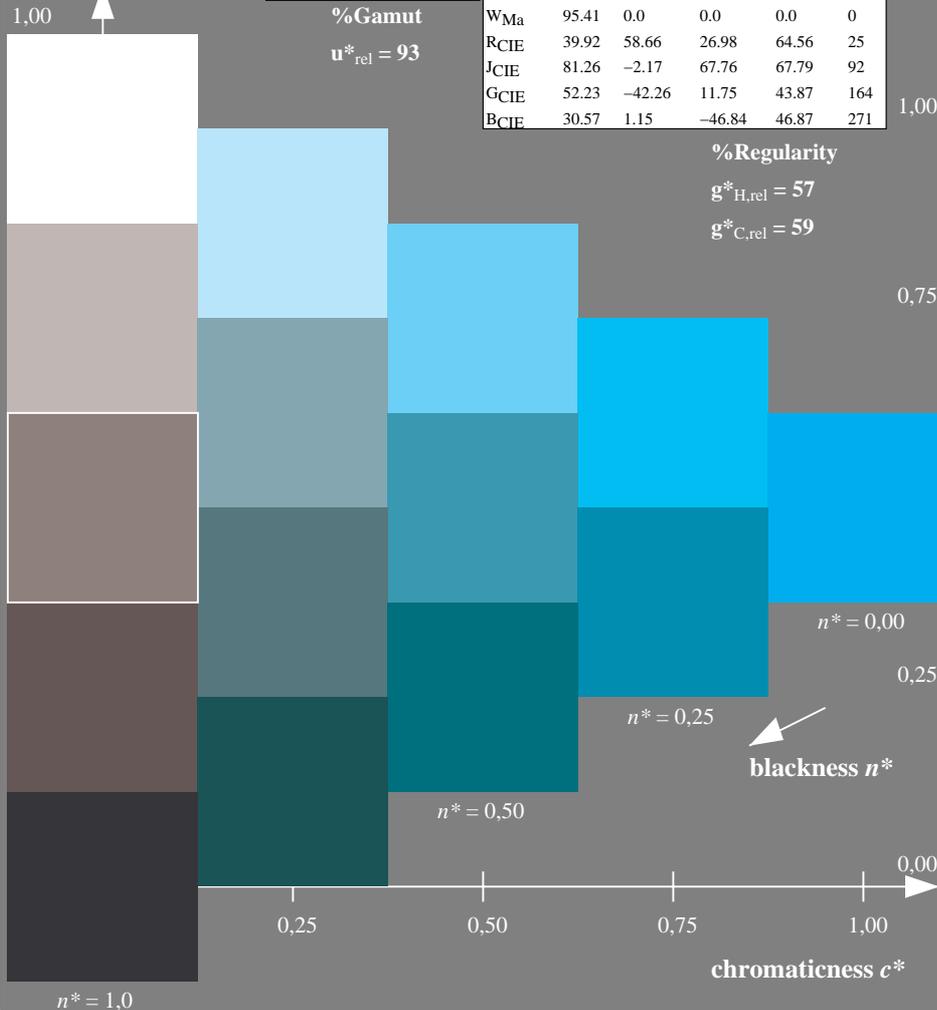
NRS11; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

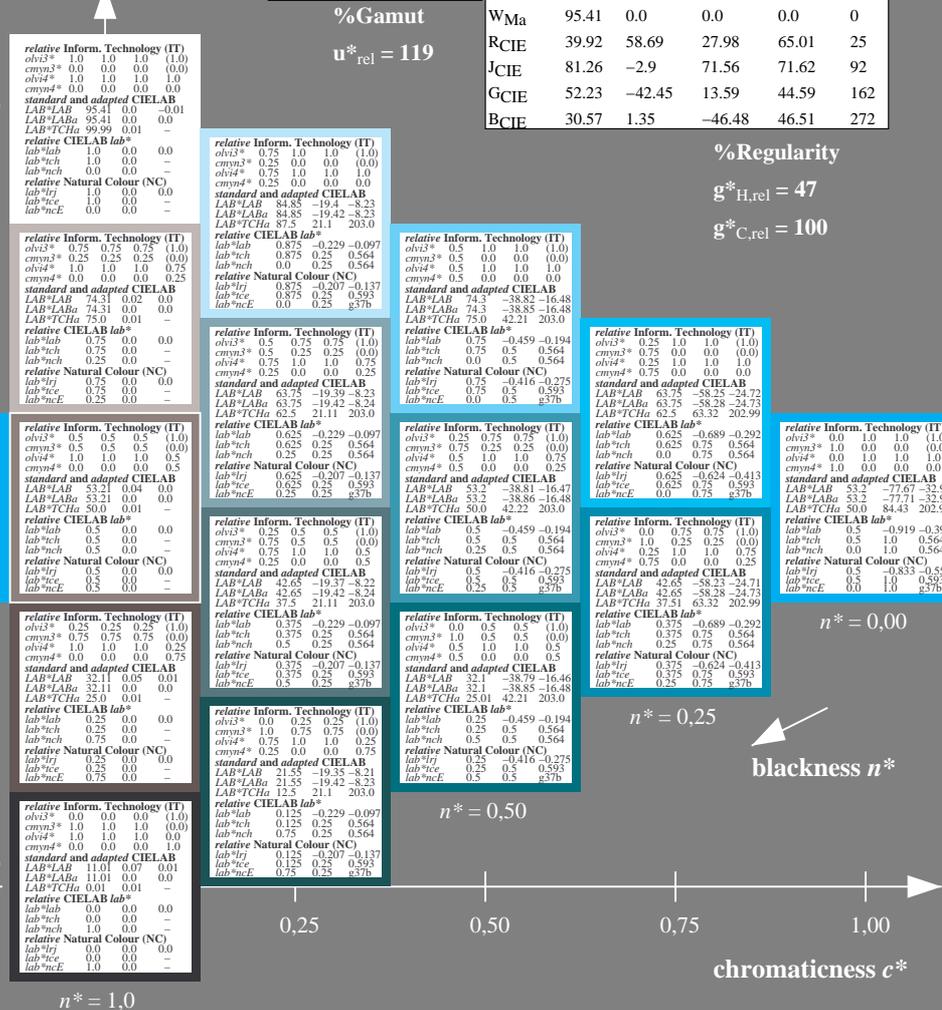
%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



UE420-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)



5 step scales for constant CIELAB hue 203/360 = 0.564 (right)

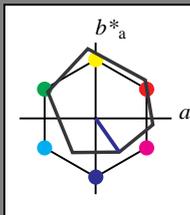
BAM-test chart UE42; Colorimetric systems ORS18 & NRS11 input:  $cmY0^* setcmykcolor$

D65: 5 step colour scales and coordinate data for 10 hues output: no change compared to input

**Input: Colorimetric Reflective System ORS18**

for hue  $h^* = lab^*h = 305/360 = 0.847$   
 $lab^*tch$  and  $lab^*nch$

D65: hue V  
 LCH\*Ma: 26 54 305  
 rgb\*Ma: 0.0 0.0 1.0  
 triangle lightness



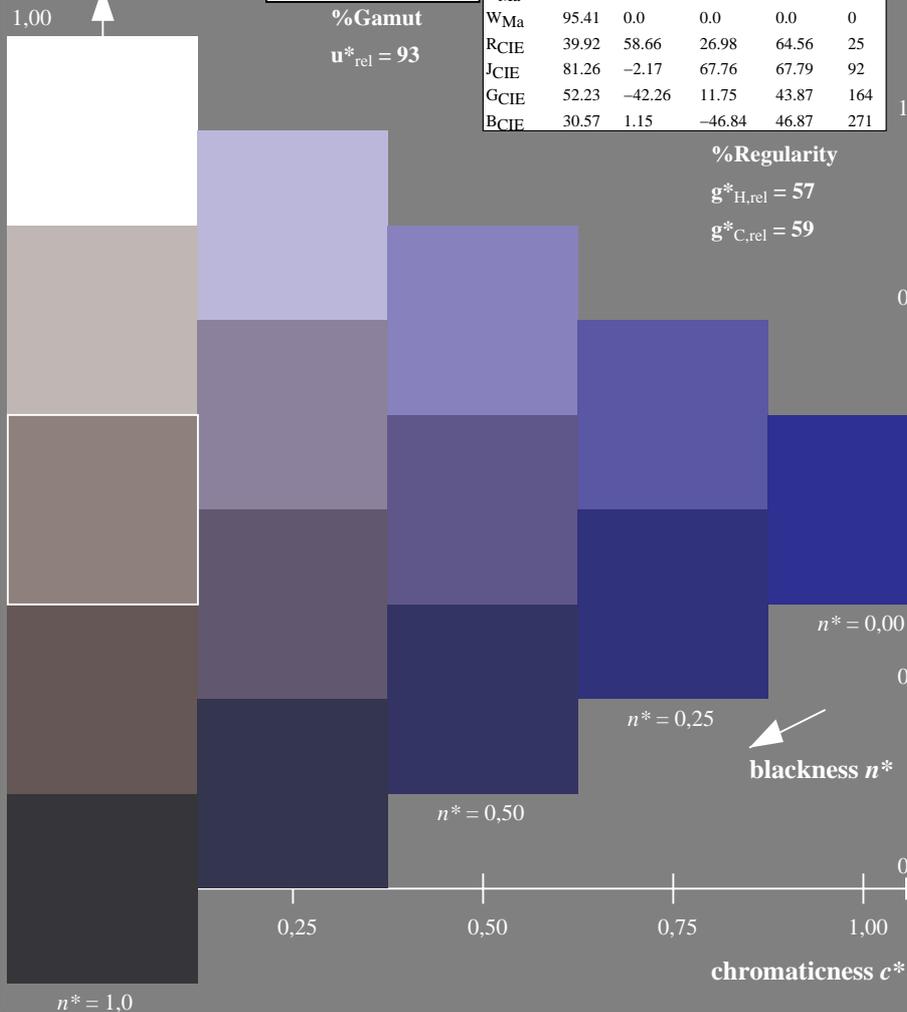
**ORS18; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	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	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

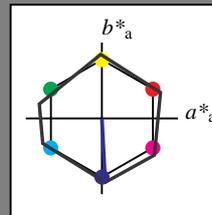
$g^*_{C,rel} = 59$



**Output: Colorimetric Reflective System NRS11**

for hue  $h^* = lab^*h = 273/360 = 0.758$   
 $lab^*tch$  and  $lab^*nch$

D65: hue B  
 LCH\*Ma: 53 84 273  
 rgb\*Ma: 0.0 0.0 1.0  
 triangle lightness



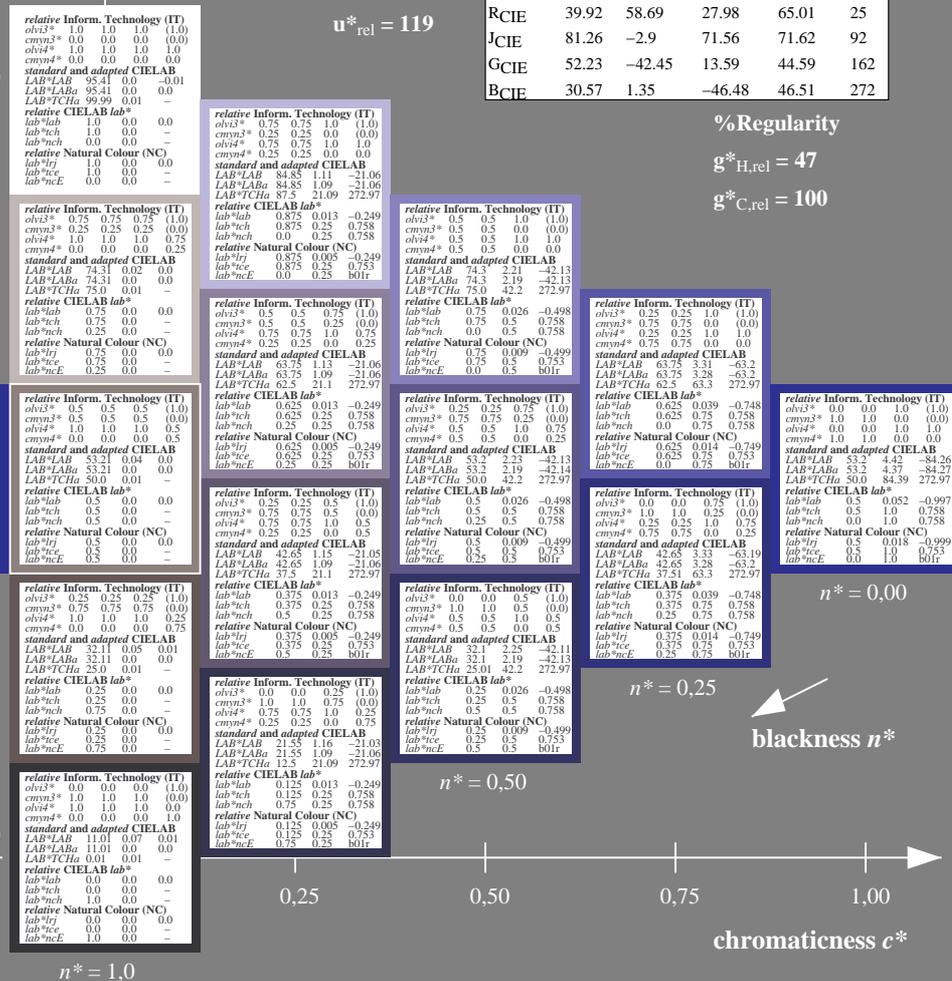
**NRS11; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	94
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



UE420-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

5 step scales for constant CIELAB hue 273/360 = 0.758 (right)

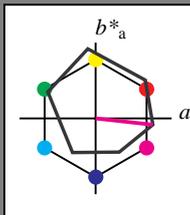
BAM-test chart UE42; Colorimetric systems ORS18 & NRS11  
 D65: 5 step colour scales and coordinate data for 10 hues

input:  $cmY0^* setcmYcolor$   
 output: no change compared to input

**Input: Colorimetric Reflective System ORS18**

for hue  $h^* = lab^*h = 354/360 = 0.982$   
 $lab^*tch$  and  $lab^*nch$

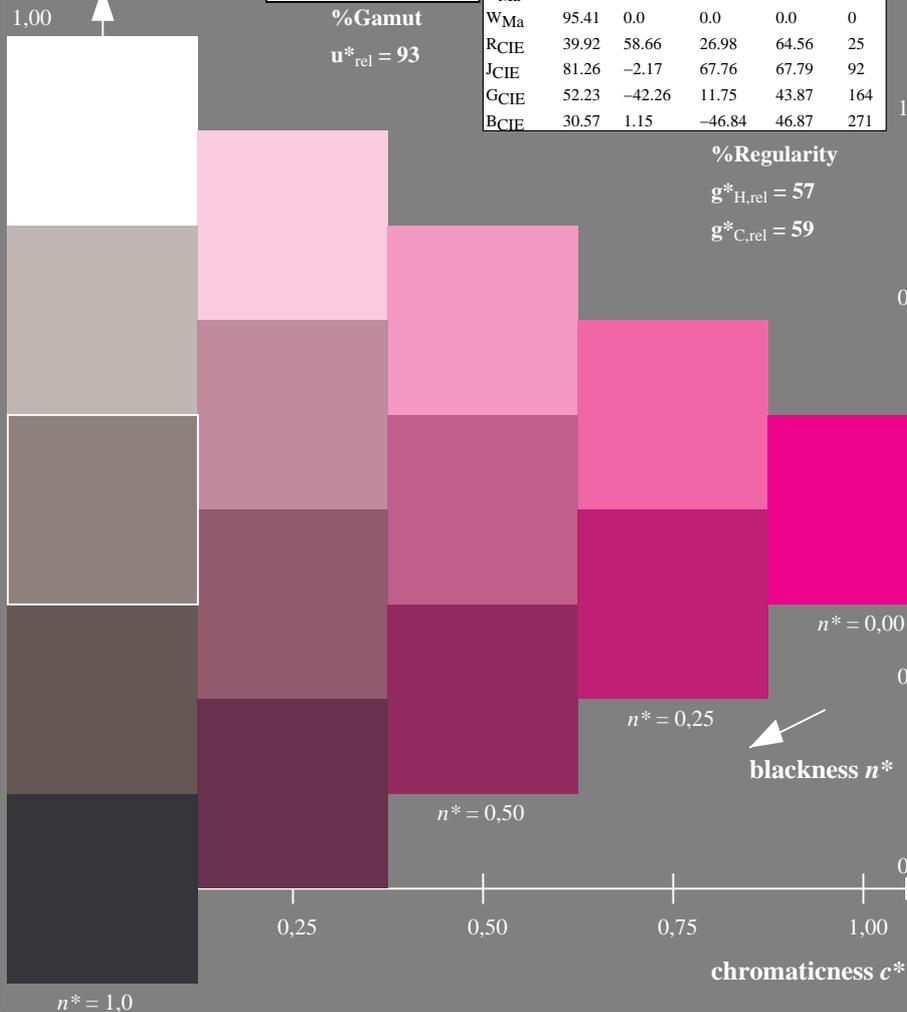
D65: hue M  
 LCH\*Ma: 48 76 354  
 rgb\*Ma: 1.0 0.0 1.0  
 triangle lightness



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

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	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	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

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

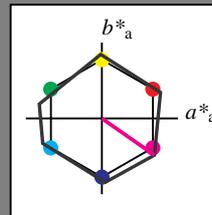


UE420-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)

**Output: Colorimetric Reflective System NRS11**

for hue  $h^* = lab^*h = 325/360 = 0.903$   
 $lab^*tch$  and  $lab^*nch$

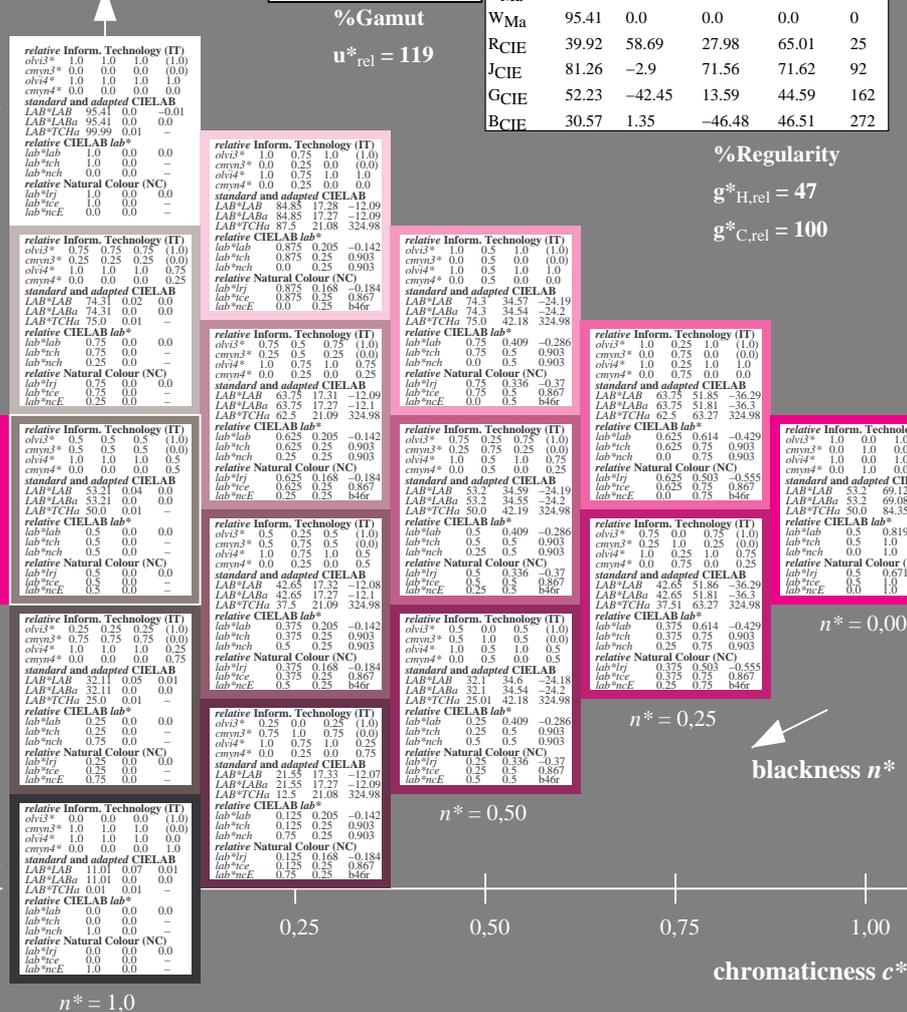
D65: hue B50R  
 LCH\*Ma: 53 84 325  
 rgb\*Ma: 1.0 0.0 1.0  
 triangle lightness



**NRS11; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity  
 $g^*_{H,rel} = 47$   
 $g^*_{C,rel} = 100$



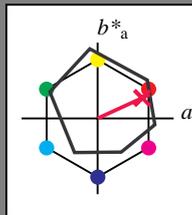
5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

BAM-test chart UE42; Colorimetric systems ORS18 & NRS11 input:  $cmY0^* setcmykcolor$   
 D65: 5 step colour scales and coordinate data for 10 hues output: *no change compared to input*

**Input: Colorimetric Reflective System ORS18**

for hue  $h^* = lab^*h = 25/360 = 0.069$   
 $lab^*tch$  and  $lab^*nch$

D65: hue R  
 LCH\*Ma: 48 75 25  
 rgb\*Ma: 1.0 0.0 0.32  
 triangle lightness



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

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	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	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

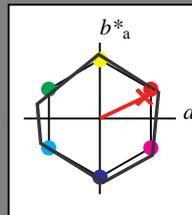
$g^*_{H,rel} = 57$

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

**Output: Colorimetric Reflective System NRS11**

for hue  $h^* = lab^*h = 25/360 = 0.071$   
 $lab^*tch$  and  $lab^*nch$

D65: hue R  
 LCH\*Ma: 53 83 25  
 rgb\*Ma: 1.0 0.03 0.0  
 triangle lightness



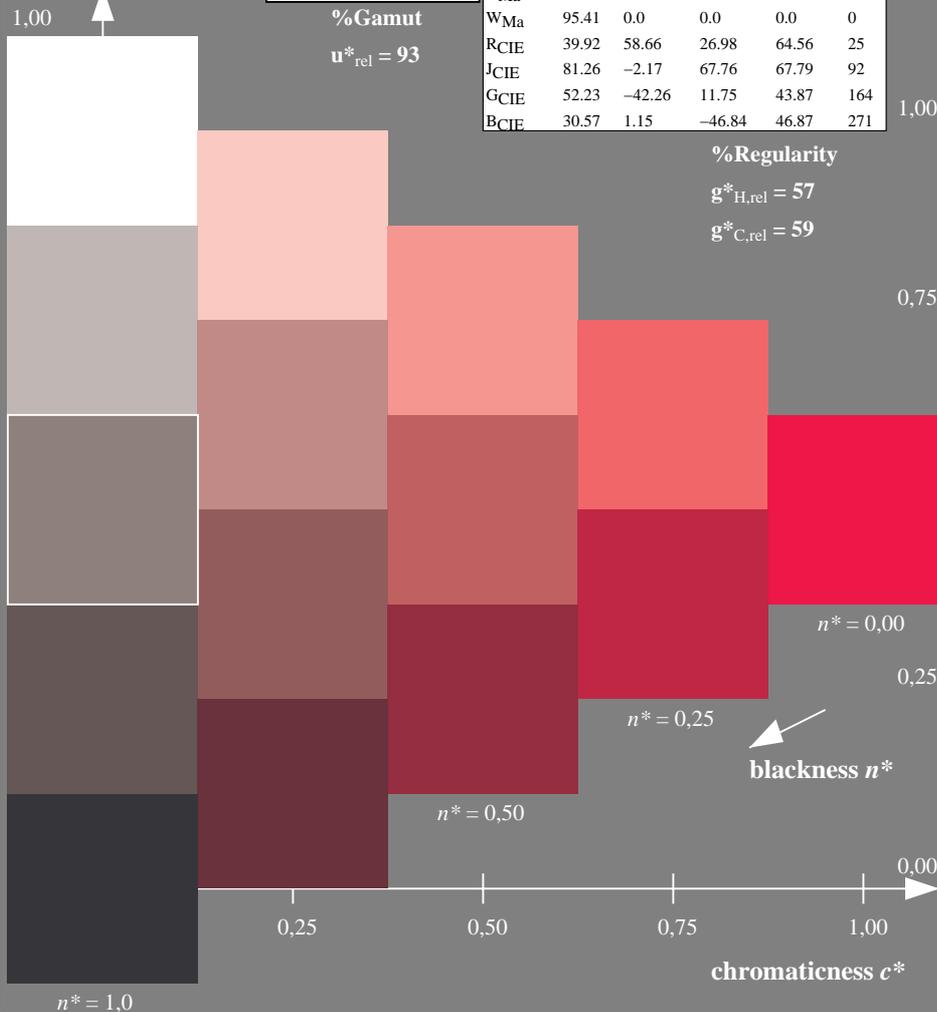
**NRS11; adapted (a) CIELAB data**

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

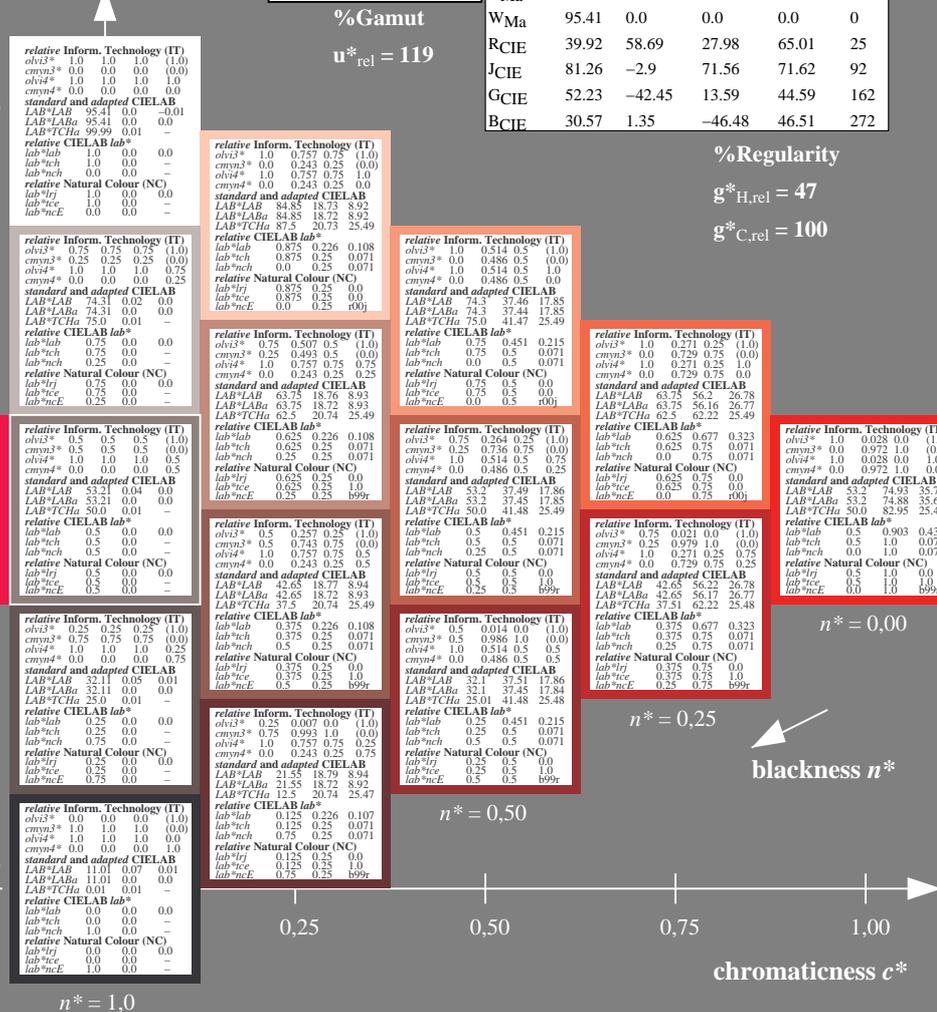
%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



UE420-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)



5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

BAM-test chart UE42; Colorimetric systems ORS18 & NRS11  
 D65: 5 step colour scales and coordinate data for 10 hues

input:  $cmY0^* setcmykcolor$   
 output: no change compared to input

See for similar files: <http://www.ps.bam.de/UE42/>  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=0.0

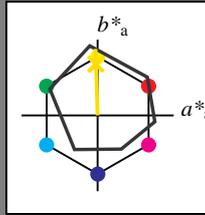
BAM registration: 20060101-UE42/10Q/Q42E06NP.PS/.PDF BAM material: code=rhadt4  
 application for evaluation and measurement of printer or monitor systems  
 /UE42/ Form 7/10, Serie: 1/1, Page: 7 Page count: 7

Input: Colorimetric Reflective System ORS18

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

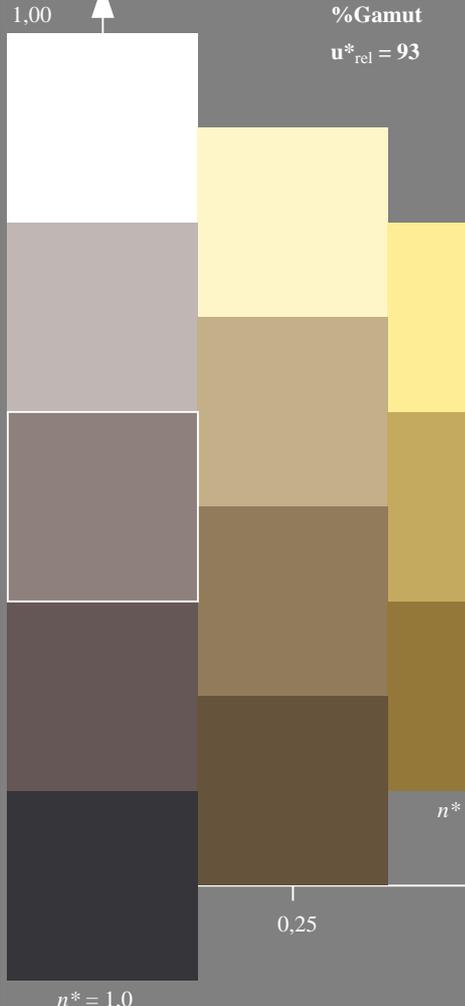
D65: hue J  
 LCH\*Ma: 86 88 92  
 rgb\*Ma: 1.0 0.9 0.0

triangle lightness



%Gamut

$u^*_{rel} = 93$



UE420-7, 5 step scales for constant CIELAB hue  $92/360 = 0.255$  (left)

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	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	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

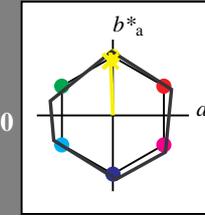
$g^*_{C,rel} = 59$

Output: Colorimetric Reflective System NRS11

for hue  $h^* = lab^*h = 92/360 = 0.256$   
 $lab^*tch$  and  $lab^*nch$

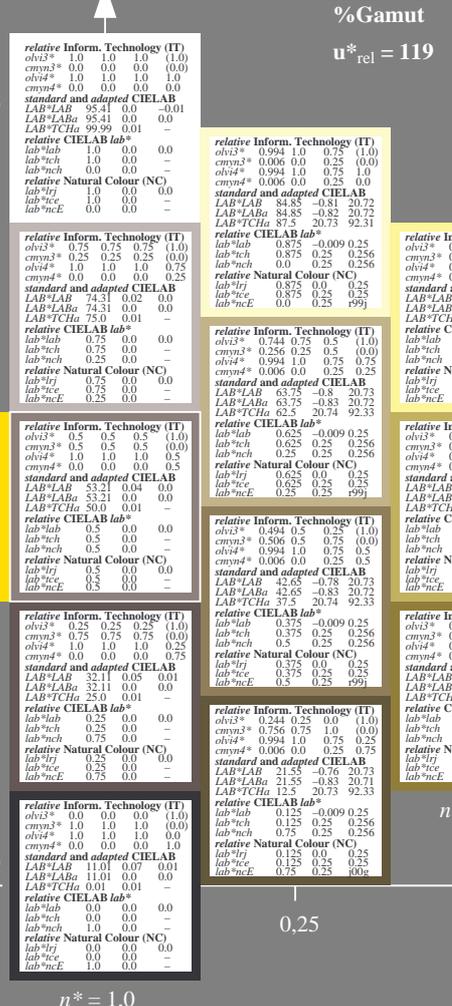
D65: hue J  
 LCH\*Ma: 53 83 92  
 rgb\*Ma: 0.98 1.0 0.0

triangle lightness



%Gamut

$u^*_{rel} = 119$



5 step scales for constant CIELAB hue  $92/360 = 0.256$  (right)

NRS11; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

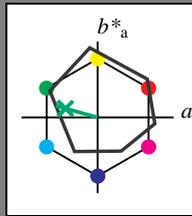
$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

Input: Colorimetric Reflective System ORS18

for hue  $h^* = lab^*h = 164/360 = 0.457$   
 $lab^*tch$  and  $lab^*nch$

D65: hue G  
 LCH\*Ma: 53 57 164  
 rgb\*Ma: 0.0 1.0 0.25  
 triangle lightness



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	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	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

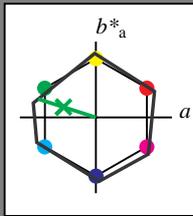
$g^*_{H,rel} = 57$

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

Output: Colorimetric Reflective System NRS11

for hue  $h^* = lab^*h = 162/360 = 0.451$   
 $lab^*tch$  and  $lab^*nch$

D65: hue G  
 LCH\*Ma: 53 80 162  
 rgb\*Ma: 0.08 1.0 0.0  
 triangle lightness



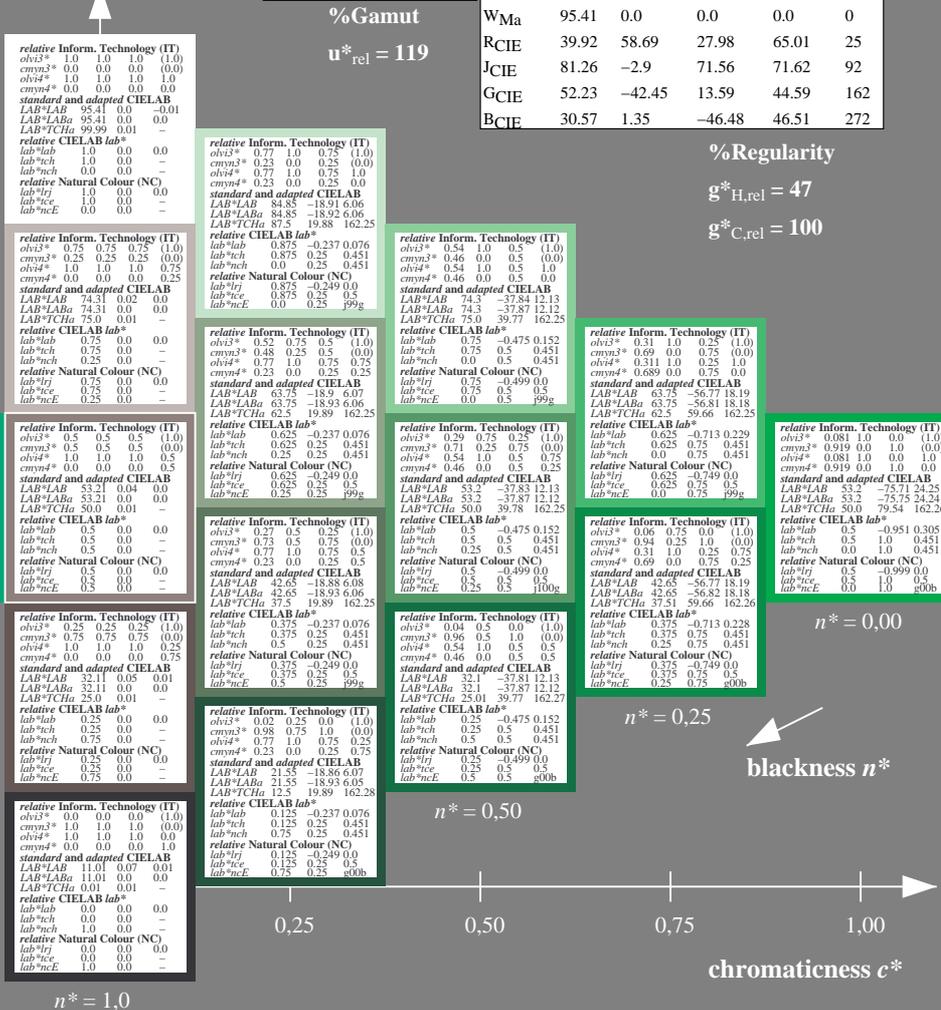
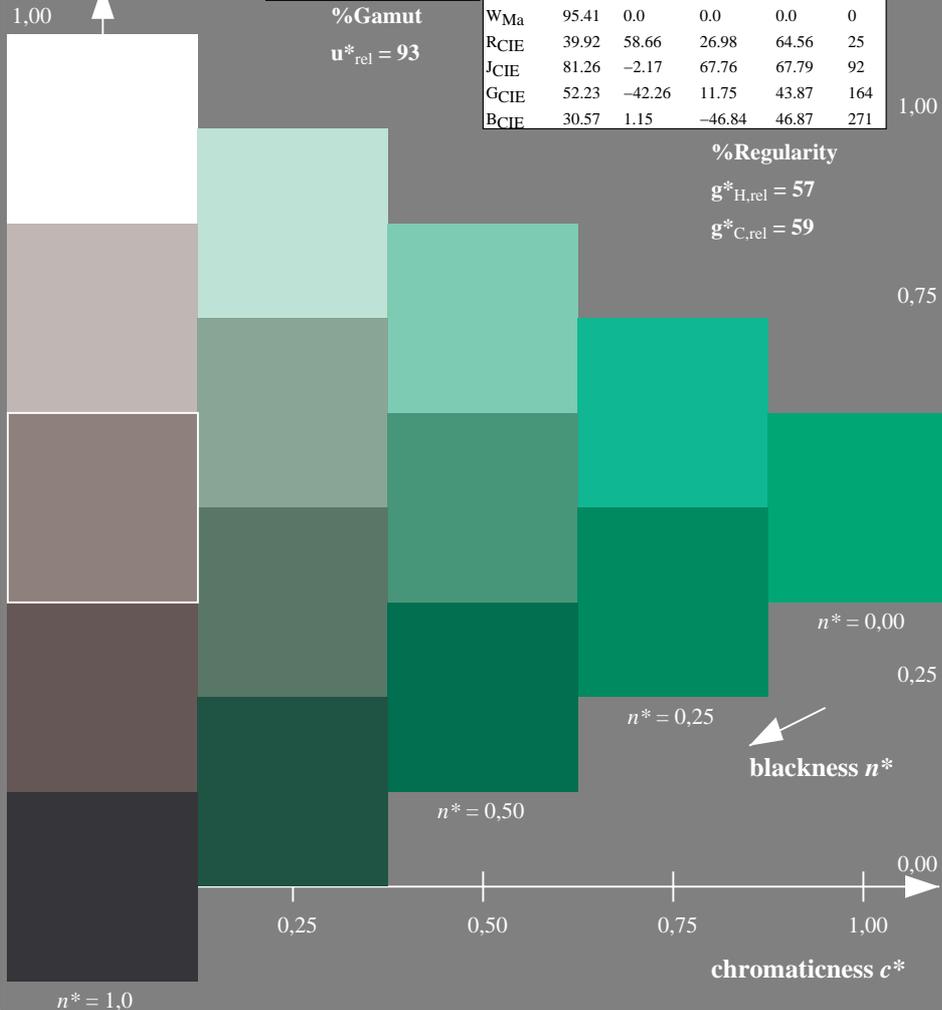
NRS11; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



UE420-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

BAM-test chart UE42; Colorimetric systems ORS18 & NRS11  
 D65: 5 step colour scales and coordinate data for 10 hues

input:  $cmY0^* setcmYcolor$   
 output: no change compared to input

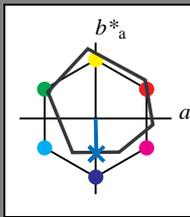
See for similar files: <http://www.ps.bam.de/UE42/>  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=0,0

BAM registration: 20060101-UE42/10Q/Q42E08NP.PS/.PDF BAM material: code=rhadt4  
 application for evaluation and measurement of printer or monitor systems  
 /UE42/ Form 9/10, Serie: 1/1, Page: 9 Page count: 9

Input: Colorimetric Reflective System ORS18

for hue  $h^* = lab^*h = 271/360 = 0.754$   
 $lab^*tch$  and  $lab^*nch$

D65: hue B  
 LCH\*Ma: 42 45 271  
 rgb\*Ma: 0.0 0.49 1.0  
 triangle lightness



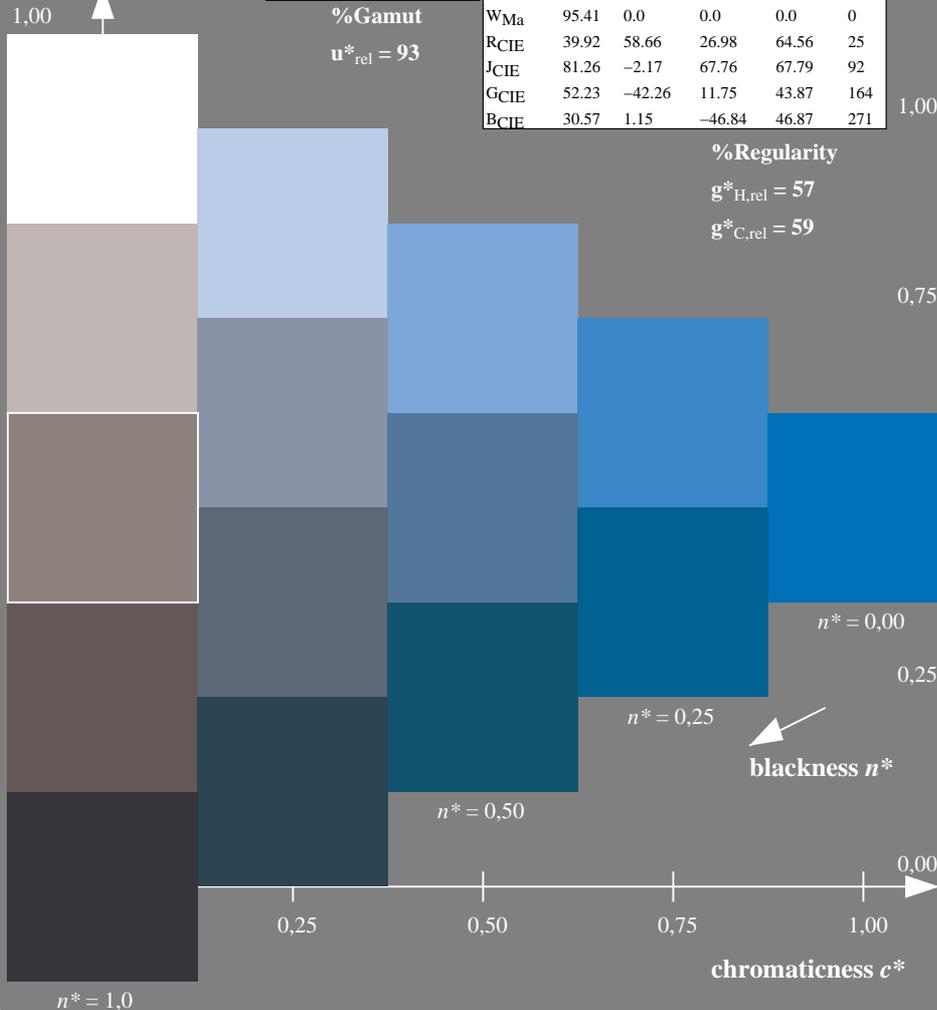
ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	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	64.56	25
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	11.75	43.87	164
BCIE	30.57	1.15	-46.84	46.87	271

%Regularity

$g^*_{H,rel} = 57$

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

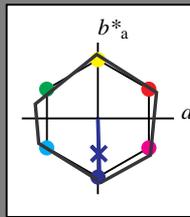


UE420-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

Output: Colorimetric Reflective System NRS11

for hue  $h^* = lab^*h = 272/360 = 0.755$   
 $lab^*tch$  and  $lab^*nch$

D65: hue B  
 LCH\*Ma: 53 83 272  
 rgb\*Ma: 0.0 0.02 1.0  
 triangle lightness



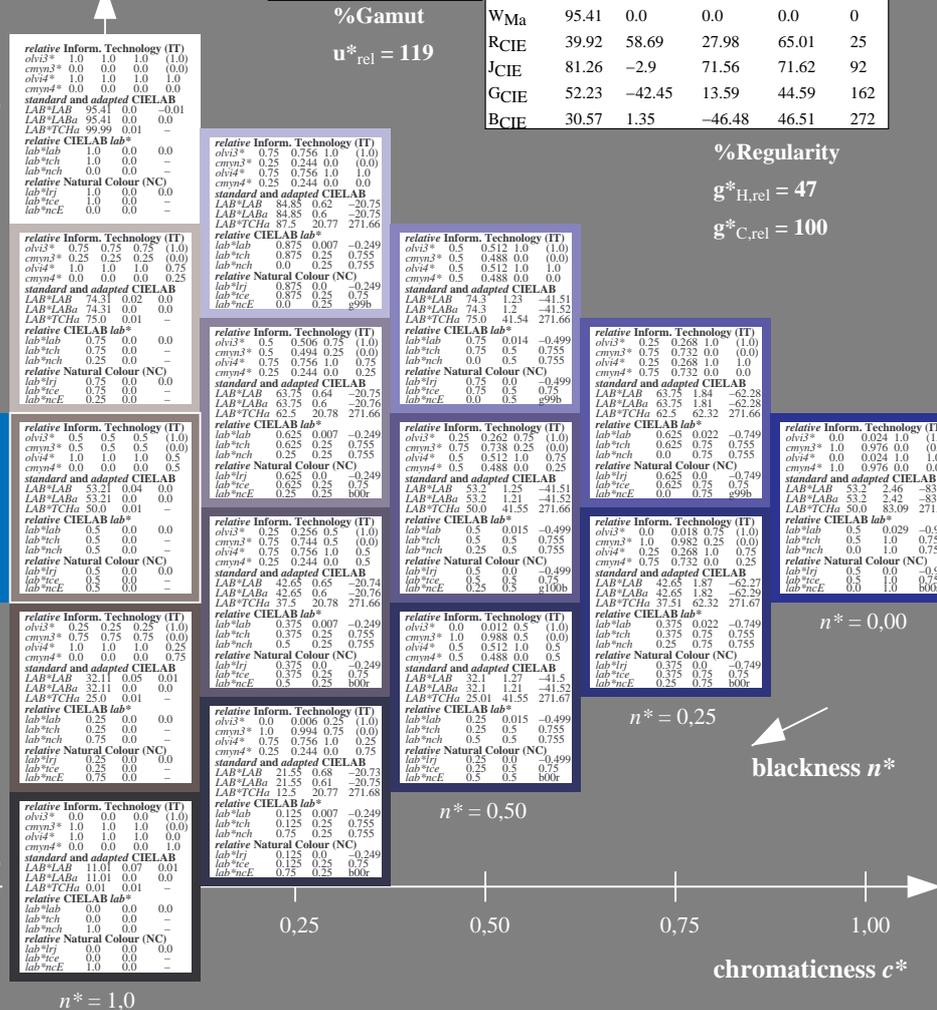
NRS11; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	91
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

BAM-test chart UE42; Colorimetric systems ORS18 & NRS11 input:  $cmY0^* setcmykcolor$

D65: 5 step colour scales and coordinate data for 10 hues output: no change compared to input