

Input: Colorimetric Reflective System ORS18

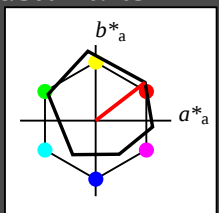
for hue $h^* = lab \cdot h = 38/360 = 0.105$

$lab \cdot tch$ and $lab \cdot nch$

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

triangle lightness

1,00



%Gamut

$u^*_{rel} = 93$

	$L^* = L^*_a$	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

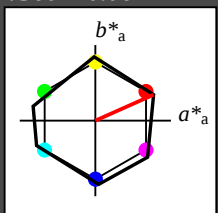
for hue $h^* = lab \cdot h = 24/360 = 0.067$

$lab \cdot tch$ and $lab \cdot nch$

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

triangle lightness

1,00



%Gamut

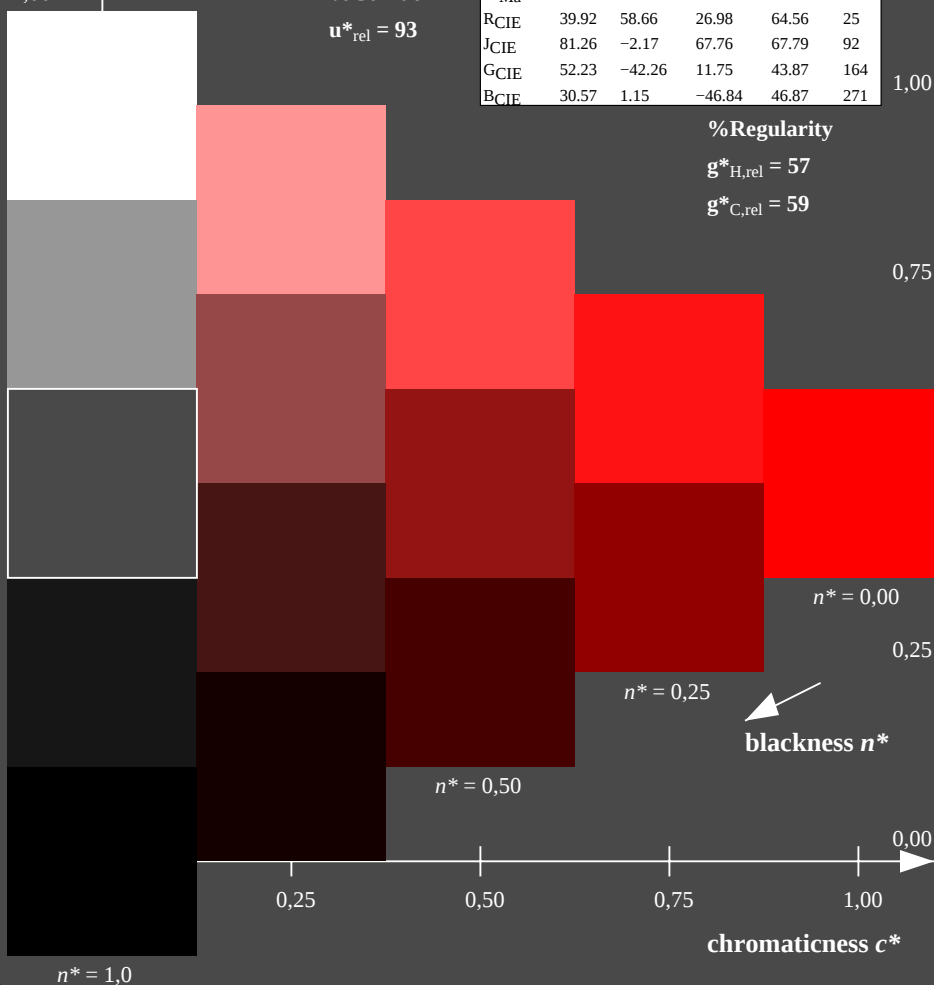
$u^*_{rel} = 119$

	$L^* = L^*_a$	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

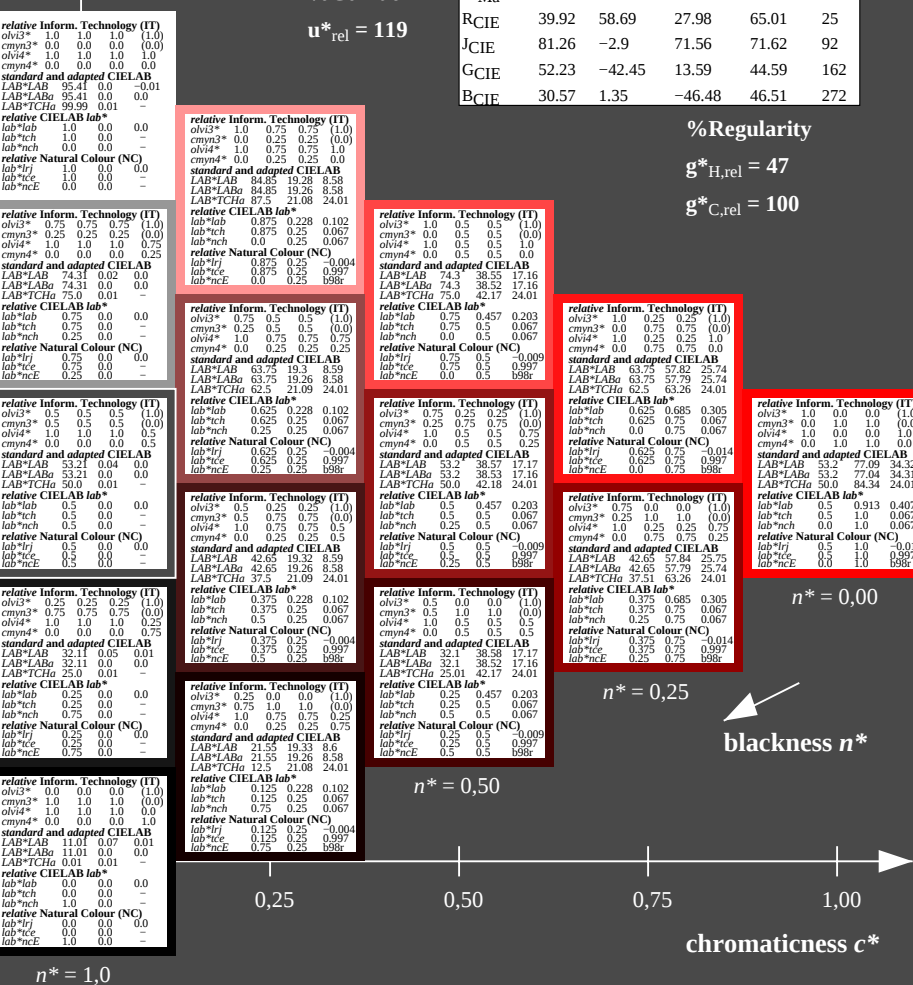
%Regularity

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

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



TE420-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)



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

BAM-test chart TE42; Colorimetric systems ORS18 & NRS11

D65: 5 step colour scales and coordinate data for 10 hues

input: $olv^* \cdot setrgbcolor$

output: $olv^* \cdot setrgbcolor / w^* \cdot setgray$

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab \cdot h = 96/360 = 0.268$

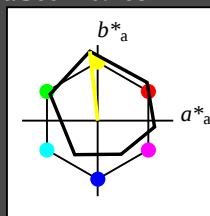
$lab \cdot tch$ and $lab \cdot nch$

D65: hue Y

LCH*Ma: 90 92 96

rgb*Ma: 1.0 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

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

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

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab \cdot h = 91/360 = 0.253$

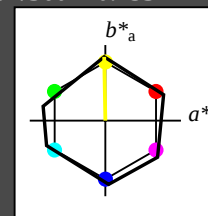
$lab \cdot tch$ and $lab \cdot nch$

D65: hue J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness

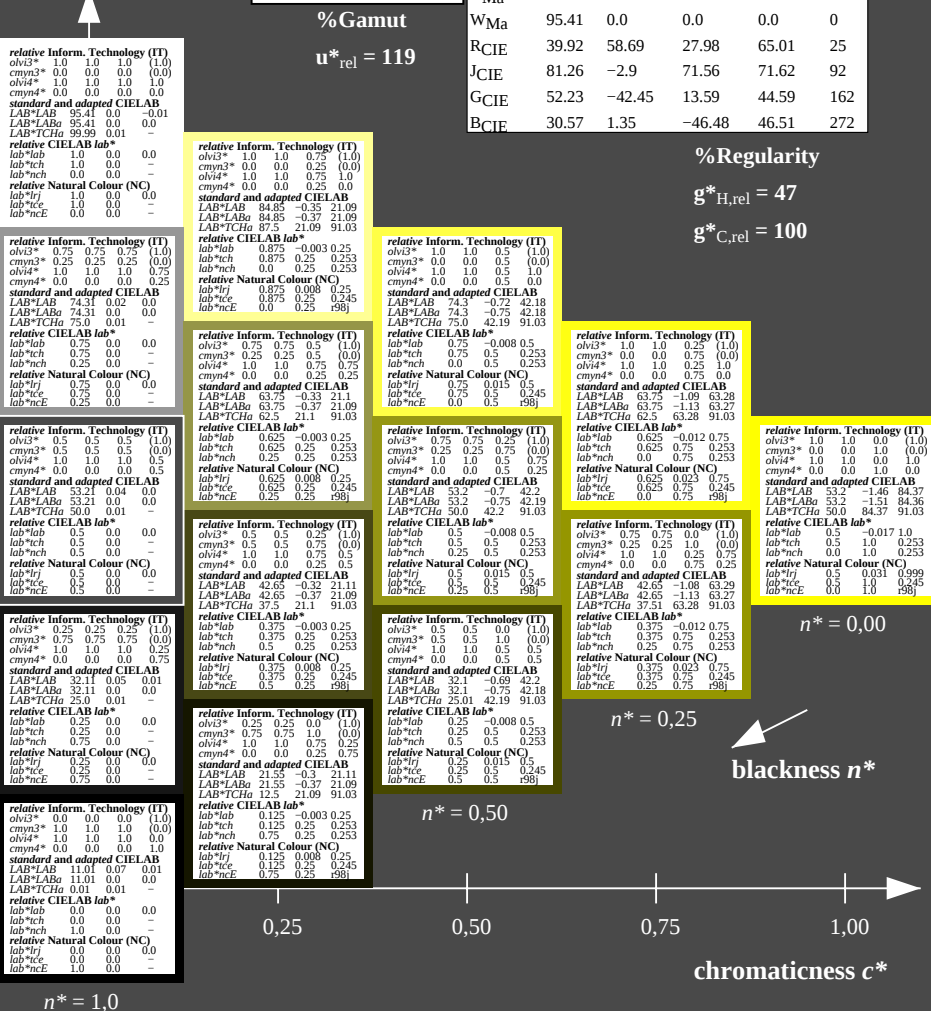
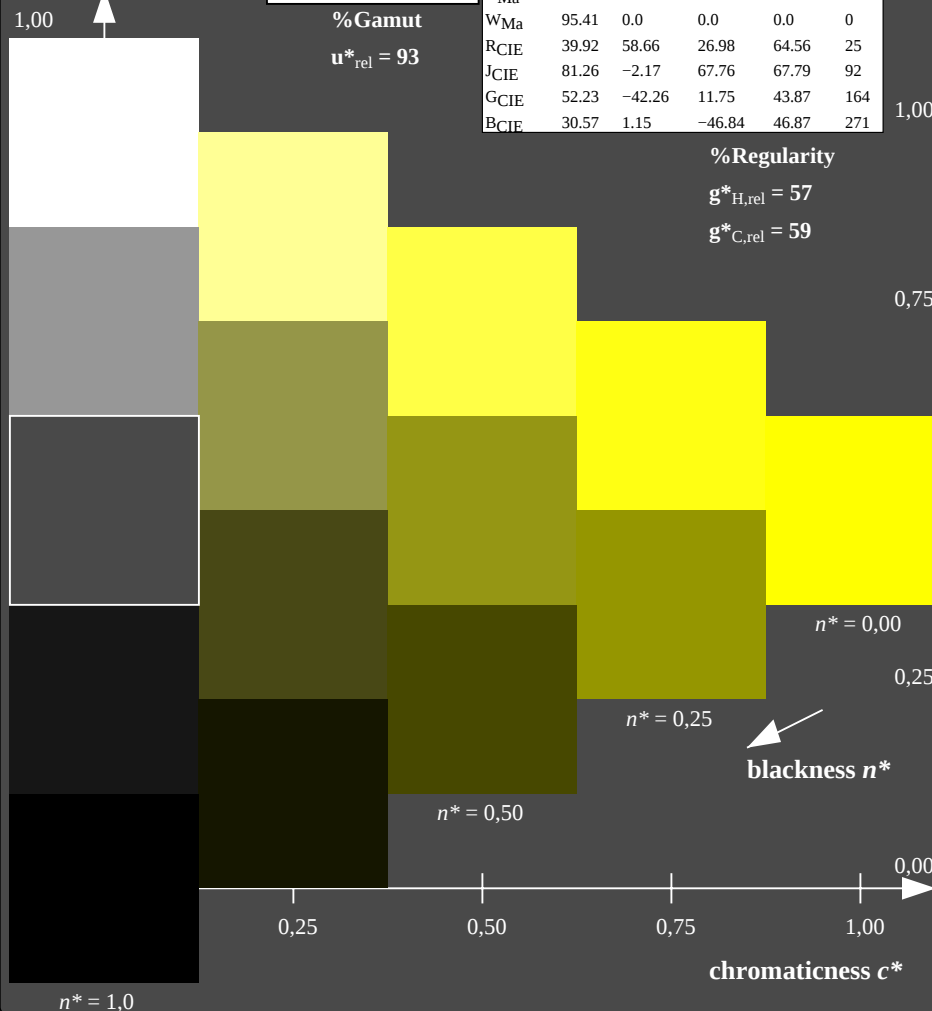


NRS11; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	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

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

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



TE42-7, 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 TE42; Colorimetric systems ORS18 & NRS11

D65: 5 step colour scales and coordinate data for 10 hues

input: $olv^* \cdot setrgbcolor$

output: $olv^* \cdot setrgbcolor / w^* \cdot setgray$

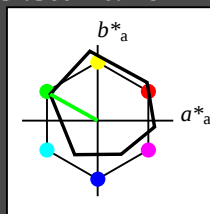
Input: Colorimetric Reflective System ORS18

for hue $h^* = lab \cdot h = 151/360 = 0.419$

$lab \cdot tch$ and $lab \cdot nch$

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

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

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

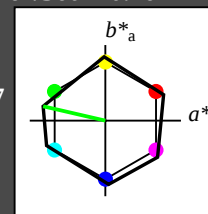
Output: Colorimetric Reflective System NRS11

for hue $h^* = lab \cdot h = 167/360 = 0.464$

$lab \cdot tch$ and $lab \cdot nch$

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

triangle lightness

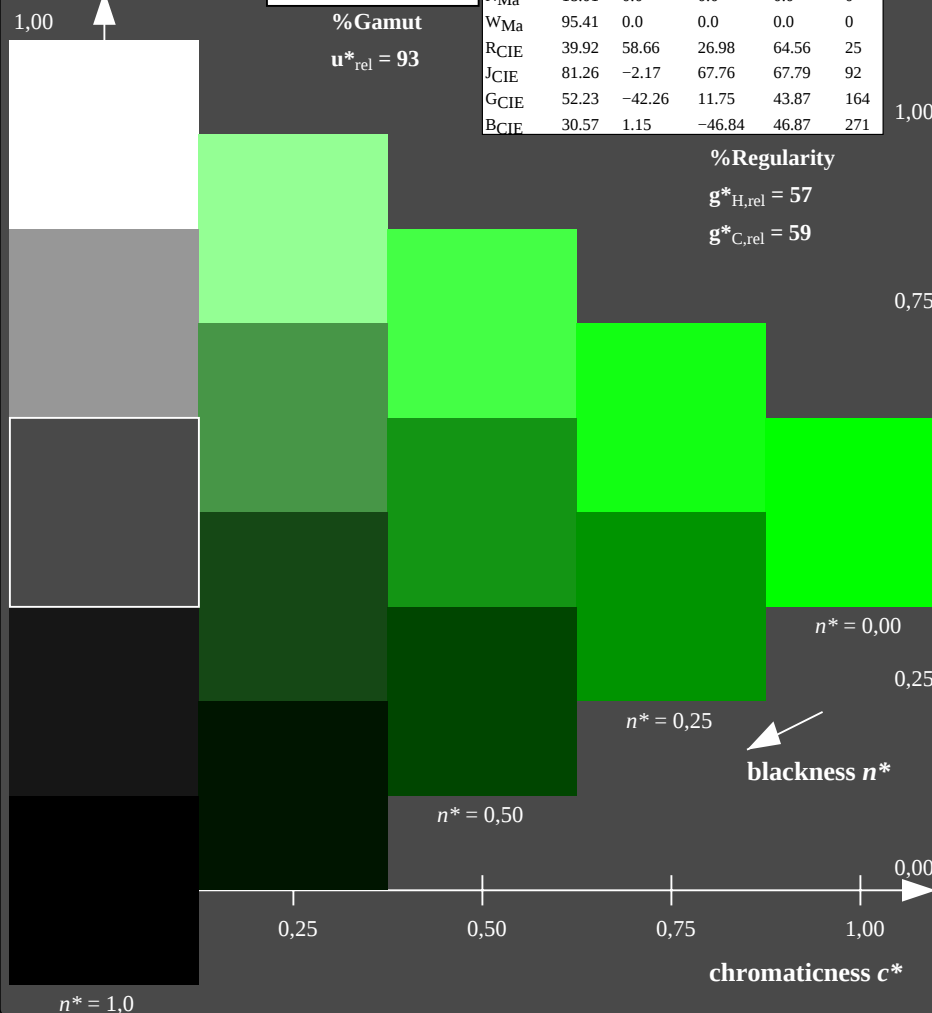


NRS11; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	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

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

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

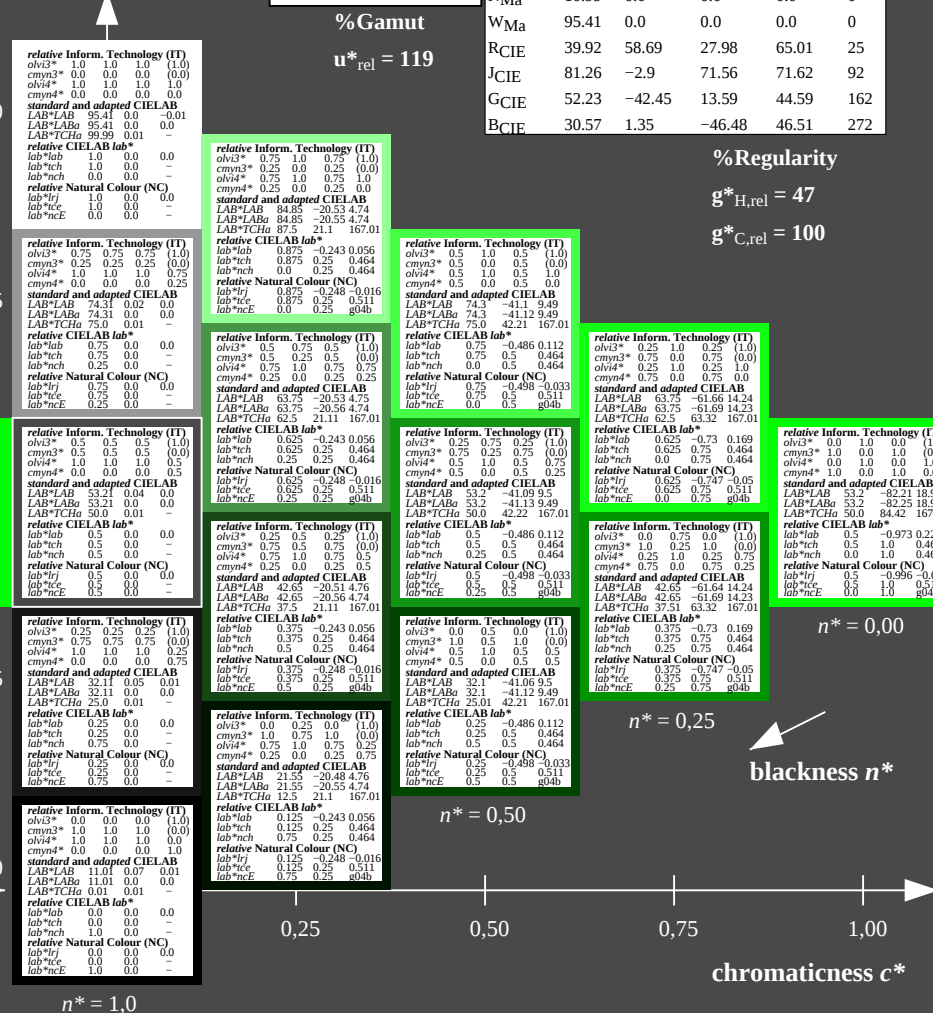


TE420-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)



BAM-test chart TE42; Colorimetric systems ORS18 & NRS11

D65: 5 step colour scales and coordinate data for 10 hues



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

input: $olv^* \cdot setrgbcolor$

output: $olv^* \cdot setrgbcolor / w^* \cdot setgray$

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab \cdot h = 236/360 = 0.656$

$lab \cdot tch$ and $lab \cdot nch$

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

triangle lightness

1,00

%Gamut

$u^*_{rel} = 93$

%Regularity

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

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

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

blackness n^*

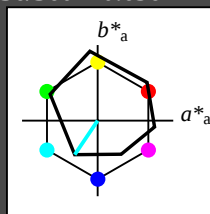
0,25

0,50

0,75

1,00

blackness n^*



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

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab \cdot h = 203/360 = 0.564$

$lab \cdot tch$ and $lab \cdot nch$

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

triangle lightness

1,00

%Gamut

$u^*_{rel} = 119$

%Regularity

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

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

0,75

$n^* = 0,00$

$n^* = 0,25$

$n^* = 0,50$

$n^* = 1,0$

chromaticness c^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

blackness n^*

0,25

0,50

0,75

1,00

blackness n^*

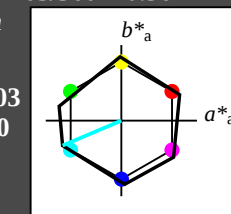
0,25

0,50

0,75

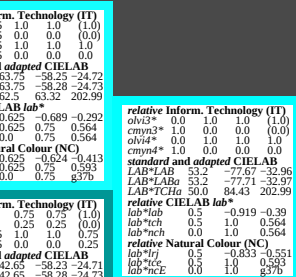
1,00

blackness n^*



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
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	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
 $g^*_{H,rel} = 47$
 $g^*_{C,rel} = 100$



relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	1.0	1.0
olvi4*	0.75	0.75	0.75	1.0	1.0
olvi5*	0.75	0.75	0.75	1.0	1.0
olvi6*	0.75	0.75	0.75	1.0	1.0
olvi7*	0.75	0.75	0.75	1.0	1.0
olvi8*	0.75	0.75	0.75	1.0	1.0
olvi9*	0.75	0.75	0.75	1.0	1.0
olvi10*	0.75	0.75	0.75	1.0	1.0
olvi11*	0.75	0.75	0.75	1.0	1.0
olvi12*	0.75	0.75	0.75	1.0	1.0
olvi13*	0.75	0.75	0.75	1.0	1.0
olvi14*	0.75	0.75	0.75	1.0	1.0
olvi15*	0.75	0.75	0.75	1.0	1.0
olvi16*	0.75	0.75	0.75	1.0	1.0
olvi17*	0.75	0.75	0.75	1.0	1.0
olvi18*	0.75	0.75	0.75	1.0	1.0
olvi19*	0.75	0.75	0.75	1.0	1.0
olvi20*	0.75	0.75	0.75	1.0	1.0
olvi21*	0.75	0.75	0.75	1.0	1.0
olvi22*	0.75	0.75	0.75	1.0	1.0
olvi23*	0.75	0.75	0.75	1.0	1.0
olvi24*	0.75	0.75	0.75	1.0	1.0
olvi25*	0.75	0.75	0.75	1.0	1.0
olvi26*	0.75	0.75	0.75	1.0	1.0
olvi27*	0.75	0.75	0.75	1.0	1.0
olvi28*	0.75	0.75	0.75	1.0	1.0
olvi29*	0.75	0.75	0.75	1.0	1.0
olvi30*	0.75	0.75	0.75	1.0	1.0
olvi31*	0.75	0.75	0.75	1.0	1.0
olvi32*	0.75	0.75	0.75	1.0	1.0
olvi33*	0.75	0.75	0.75	1.0	1.0
olvi34*	0.75	0.75	0.75	1.0	1.0
olvi35*	0.75	0.75	0.75	1.0	1.0
olvi36*	0.75	0.75	0.75	1.0	1.0
olvi37*	0.75	0.75	0.75	1.0	1.0
olvi38*	0.75	0.75	0.75	1.0	1.0
olvi39*	0.75	0.75	0.75	1.0	1.0
olvi40*	0.75	0.75	0.75	1.0	1.0
olvi41*	0.75	0.75	0.75	1.0	1.0
olvi42*	0.75	0.75	0.75	1.0	1.0
olvi43*	0.75	0.75	0.75	1.0	1.0
olvi44*	0.75	0.75	0.75	1.0	1.0
olvi45*	0.75	0.75	0.75	1.0	1.0
olvi46*	0.75	0.75	0.75	1.0	1.0
olvi47*	0.75	0.75	0.75	1.0	1.0
olvi48*	0.75	0.75	0.75	1.0	1.0
olvi49*	0.75	0.75	0.75	1.0	1.0
olvi50*	0.75	0.75	0.75	1.0	1.0
olvi51*	0.75	0.75	0.75	1.0	1.0
olvi52*	0.75	0.75	0.75	1.0	1.0
olvi53*	0.75	0.75	0.75	1.0	1.0
olvi54*	0.75	0.75	0.75	1.0	1.0
olvi55*	0.75	0.75	0.75	1.0	1.0
olvi56*	0.75	0.75	0.75	1.0	1.0
olvi57*	0.75	0.75	0.75	1.0	1.0
olvi58*	0.75	0.75	0.75	1.0	1.0
olvi59*	0.75	0.75	0.75	1.0	1.0
olvi60*	0.75	0.75	0.75	1.0	1.0
olvi61*	0.75	0.75	0.75	1.0	1.0
olvi62*	0.75	0.75	0.75	1.0	1.0
olvi63*	0.75	0.75	0.75	1.0	1.0
olvi64*	0.75	0.75	0.75	1.0	1.0
olvi65*	0.75	0.75	0.75	1.0	1.0
olvi66*	0.75	0.75	0.75	1.0	1.0
olvi67*	0.75	0.75	0.75	1.0	1.0
olvi68*	0.75	0.75	0.75	1.0	1.0
olvi69*	0.75	0.75	0.75	1.0	1.0
olvi70*	0.75	0.75	0.75	1.0	1.0
olvi71*	0.75	0.75	0.75	1.0	1.0
olvi72*	0.75	0.75	0.75	1.0	1.0
olvi73*	0.75	0.75	0.75	1.0	1.0
olvi74*	0.75	0.75	0.75	1.0	1.0
olvi75*	0.75	0.75	0.75	1.0	1.0
olvi76*	0.75	0.75	0.75	1.0	1.0
olvi77*	0.75	0.75	0.75	1.0	1.0
olvi78*	0.75	0.75	0.75	1.0	1.0
olvi79*	0.75	0.75	0.75	1.0	1.0
olvi80*	0.75	0.75	0.75	1.0	1.0
olvi81*	0.75	0.75	0.75	1.0	1.0
olvi82*	0.75	0.75	0.75	1.0	1.0
olvi83*	0.75	0.75	0.75	1.0	1.0
olvi84*	0.75	0.75	0.75	1.0	1.0
olvi85*	0.75	0.75	0.75	1.0	1.0
olvi86*	0.75	0.75	0.75	1.0	1.0
olvi87*	0.75	0.75	0.75	1.0	1.0
olvi88*	0.75	0.75	0.75	1.0	1.0
olvi89*	0.75	0.75	0.75	1.0	1.0
olvi90*	0.75	0.75	0.75	1.0	1.0
olvi91*	0.75	0.75	0.75	1.0	1.0
olvi92*	0.75	0.75	0.75	1.0	1.0
olvi93*	0.75	0.75	0.75	1.0	1.0
olvi94*	0.75	0.75	0.75	1.0	1.0
olvi95*	0.75	0.75	0.75	1.0	1.0
olvi96*	0.75	0.75	0.75	1.0	1.0
olvi97*	0.75	0.75	0.75	1.0	1.0
olvi98*	0.75	0.75	0.75	1.0	1.0
olvi99*	0.75	0.75	0.75	1.0	1.0
olvi100*	0.75	0.75	0.75	1.0	1.0

relative CIE LAB lab*					
LAB*LCh	37.51	63.32	202.99		
lab*Lab	0.375	-0.689	-0.292		
lab*Lch	0.375	0.75	0.564		
lab*ach	0.25	0.75	0.564		
relative Natural Colour (NC)					
lab*17rj	0.375	-0.624	-0.413		
lab*ncE	0.375	0.75	0.593		
lab*ncE	0.25	0.75	0.576		

$n^* = 0,00$

$n^* = 0,25$

blackness n^*

A horizontal scale for chromaticness c^* . The scale has two major tick marks labeled "0,75" and "1,00". A white arrow points from the text "blackness n^* " towards the "0,75" mark.

chromaticness c^*

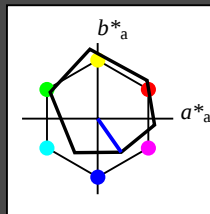
Input: Colorimetric Reflective System ORS18

for hue $h^* = lab \cdot h = 305/360 = 0.847$

$lab \cdot tch$ and $lab \cdot nch$

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

triangle lightness

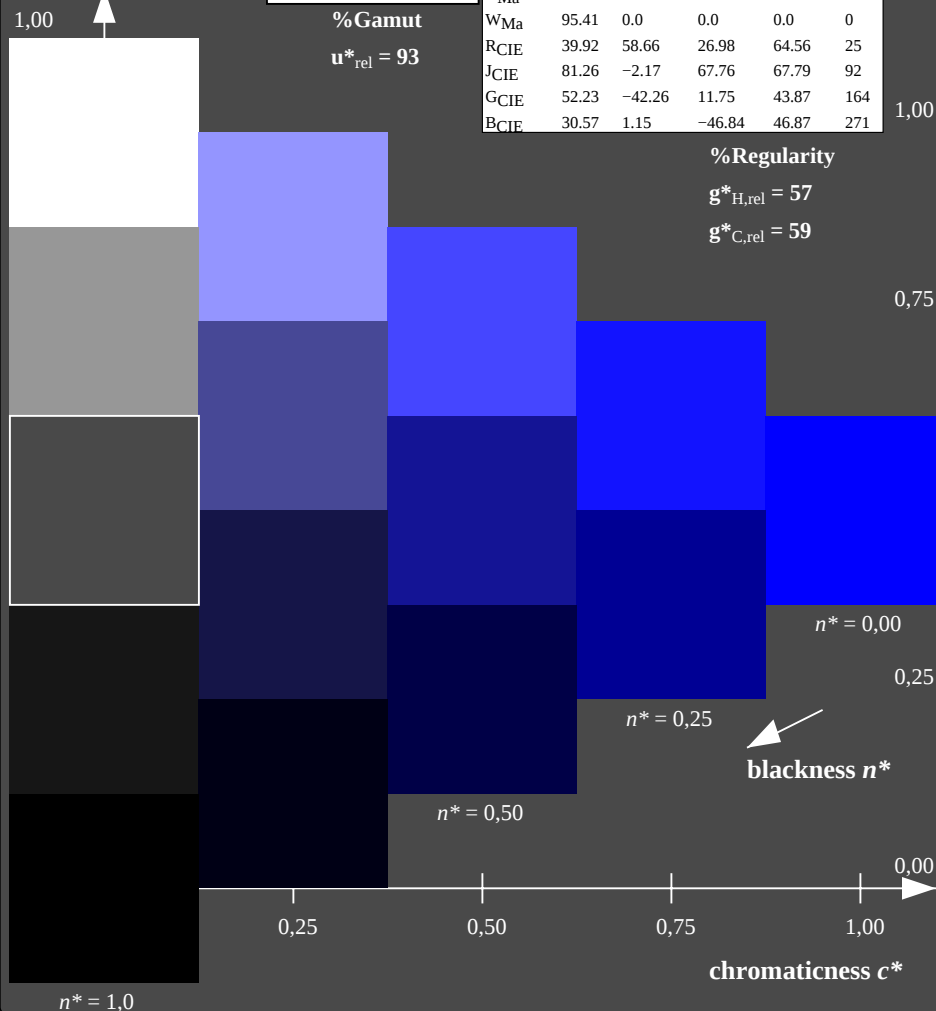


ORS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	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

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

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



TE420-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)



D65: 5 step colour scales and coordinate data for 10 hues

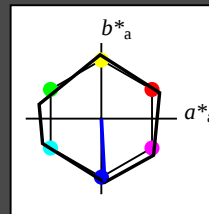
Output: Colorimetric Reflective System NRS11

for hue $h^* = lab \cdot h = 273/360 = 0.758$

$lab \cdot tch$ and $lab \cdot nch$

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

triangle lightness

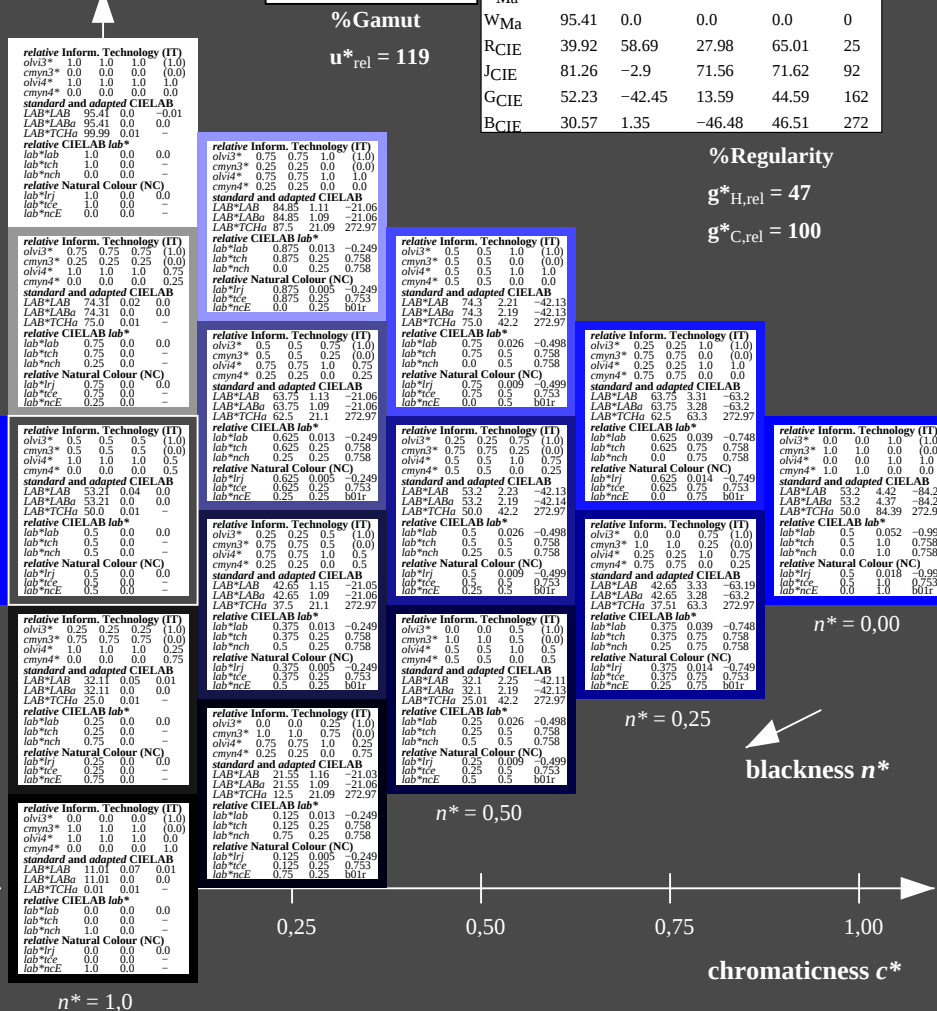


NRS11; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	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 273/360 = 0.758 (right)

input: $olv^* \cdot setrgbcolor$

output: $olv^* \cdot setrgbcolor / w^* \cdot setgray$

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab \cdot h = 354/360 = 0.982$

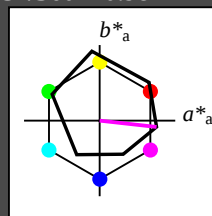
$lab \cdot tch$ and $lab \cdot nch$

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness

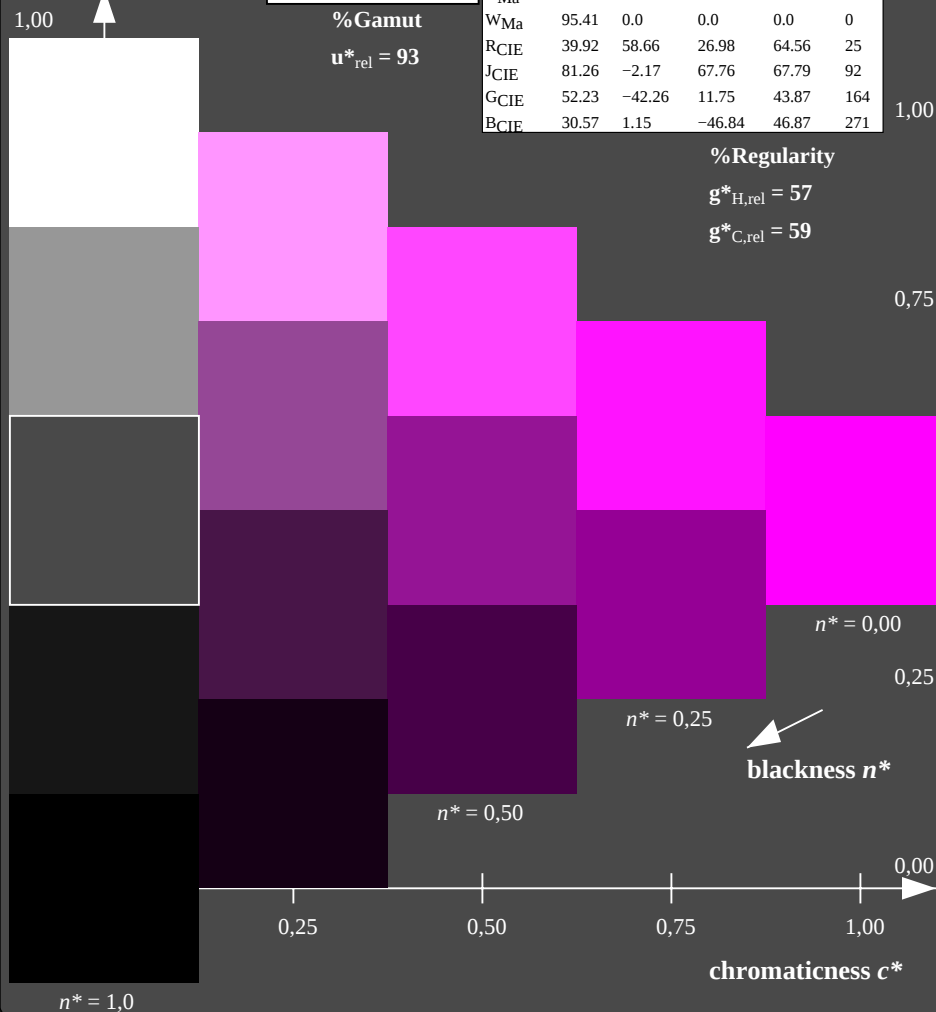


ORS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	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

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

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



TE420-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)



BAM-test chart TE42; Colorimetric systems ORS18 & NRS11

D65: 5 step colour scales and coordinate data for 10 hues

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab \cdot h = 325/360 = 0.903$

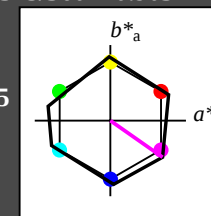
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B50R

LCH*Ma: 53 84 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness

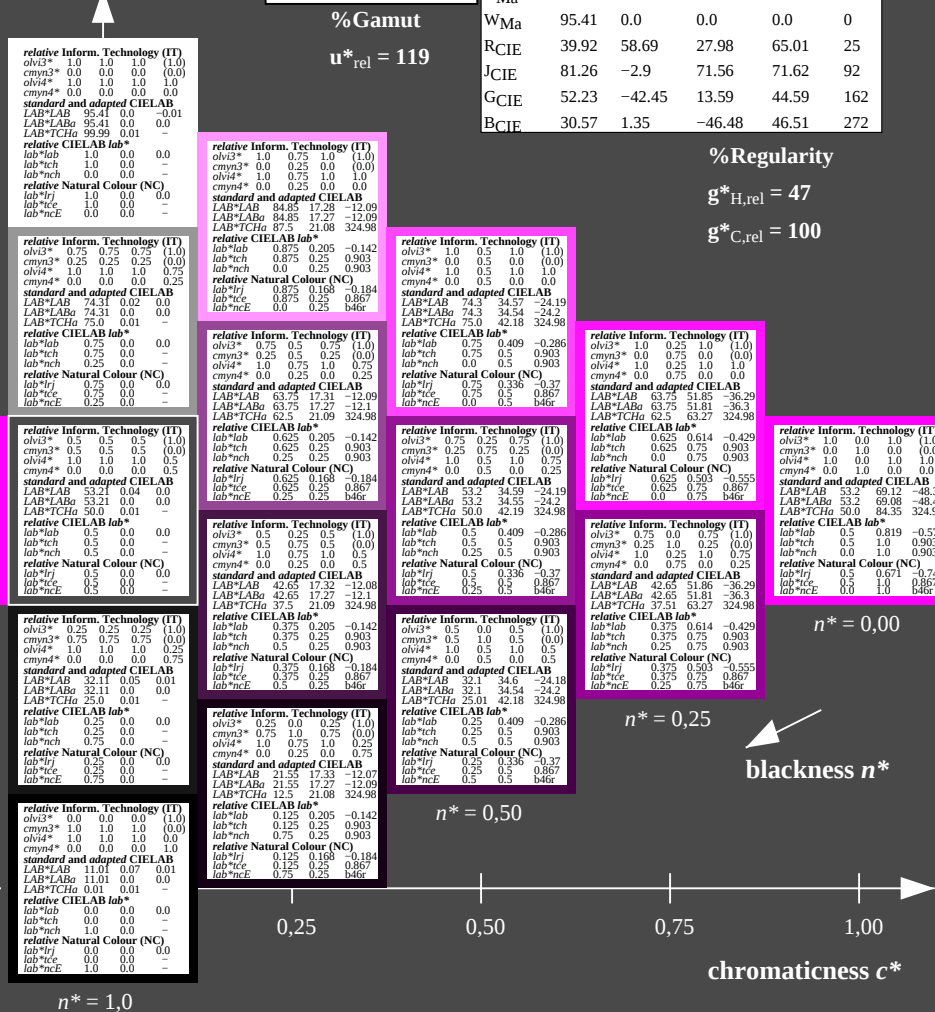


NRS11; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	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)

input: $olv^* \cdot setrgbcolor$

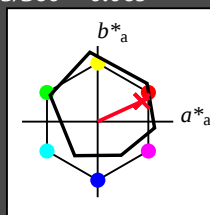
output: $olv^* \cdot setrgbcolor / w^* \cdot setgray$

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab \cdot h = 25/360 = 0.069$

$lab \cdot tch$ and $lab \cdot nch$

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

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

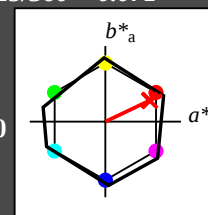
$g^*_{C,rel} = 59$

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab \cdot h = 25/360 = 0.071$

$lab \cdot tch$ and $lab \cdot nch$

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

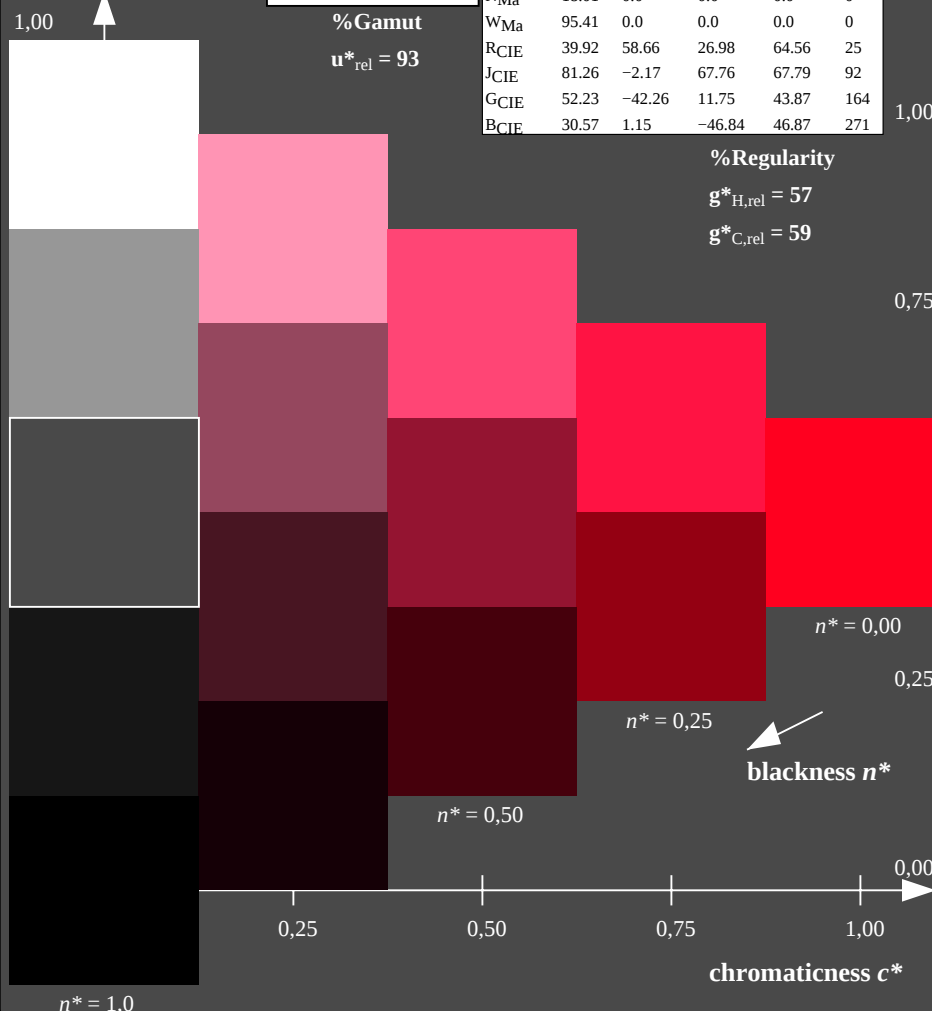


NRS11; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	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

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

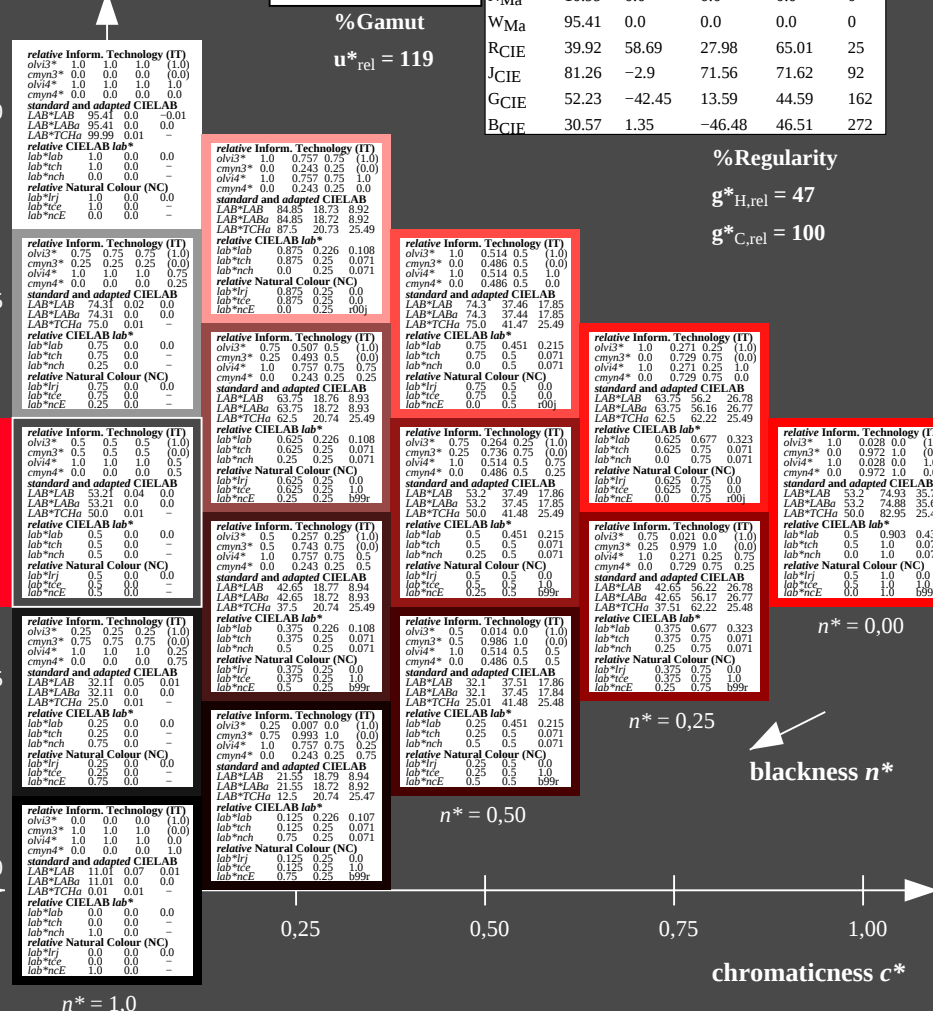
$g^*_{C,rel} = 100$



TE420-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)



BAM-test chart TE42; Colorimetric systems ORS18 & NRS11
D65: 5 step colour scales and coordinate data for 10 hues



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

input: $olv^* \text{ setrgbcolor}$
output: $olv^* \text{ setrgbcolor} / w^* \text{ setgray}$

Input: Colorimetric Reflective System ORS18

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

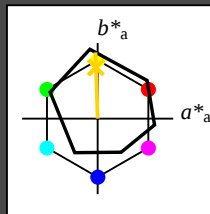
$lab \cdot tch$ and $lab \cdot nch$

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 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 $h^* = lab \cdot h = 92/360 = 0.256$

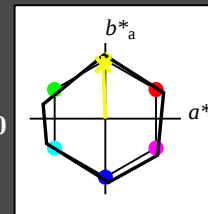
$lab \cdot tch$ and $lab \cdot nch$

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness



%Gamut

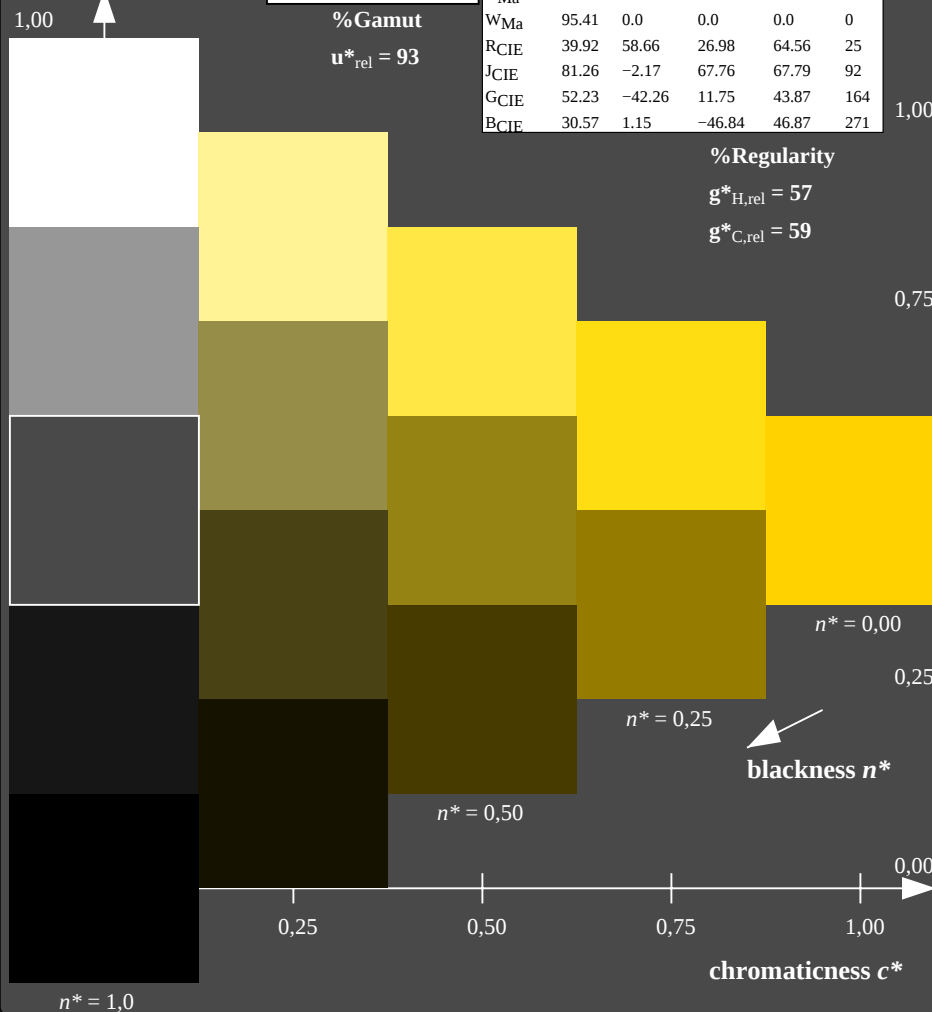
$u^*_{rel} = 119$

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

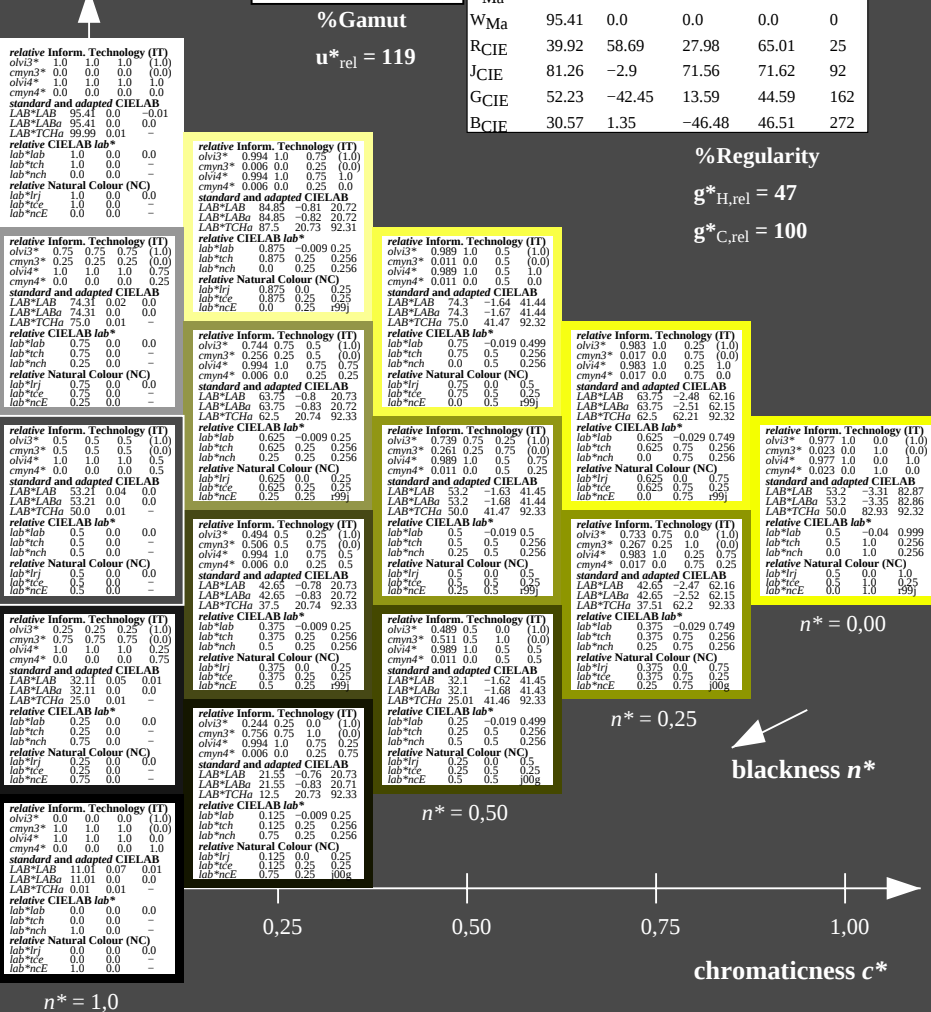
%Regularity

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

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



TE42-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)



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

BAM-test chart TE42; Colorimetric systems ORS18 & NRS11

D65: 5 step colour scales and coordinate data for 10 hues

input: $olv^* \cdot setrgbcolor$

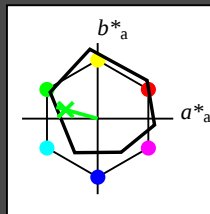
output: $olv^* \cdot setrgbcolor / w^* \cdot setgray$

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab \cdot h = 164/360 = 0.457$

$lab \cdot tch$ and $lab \cdot nch$

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

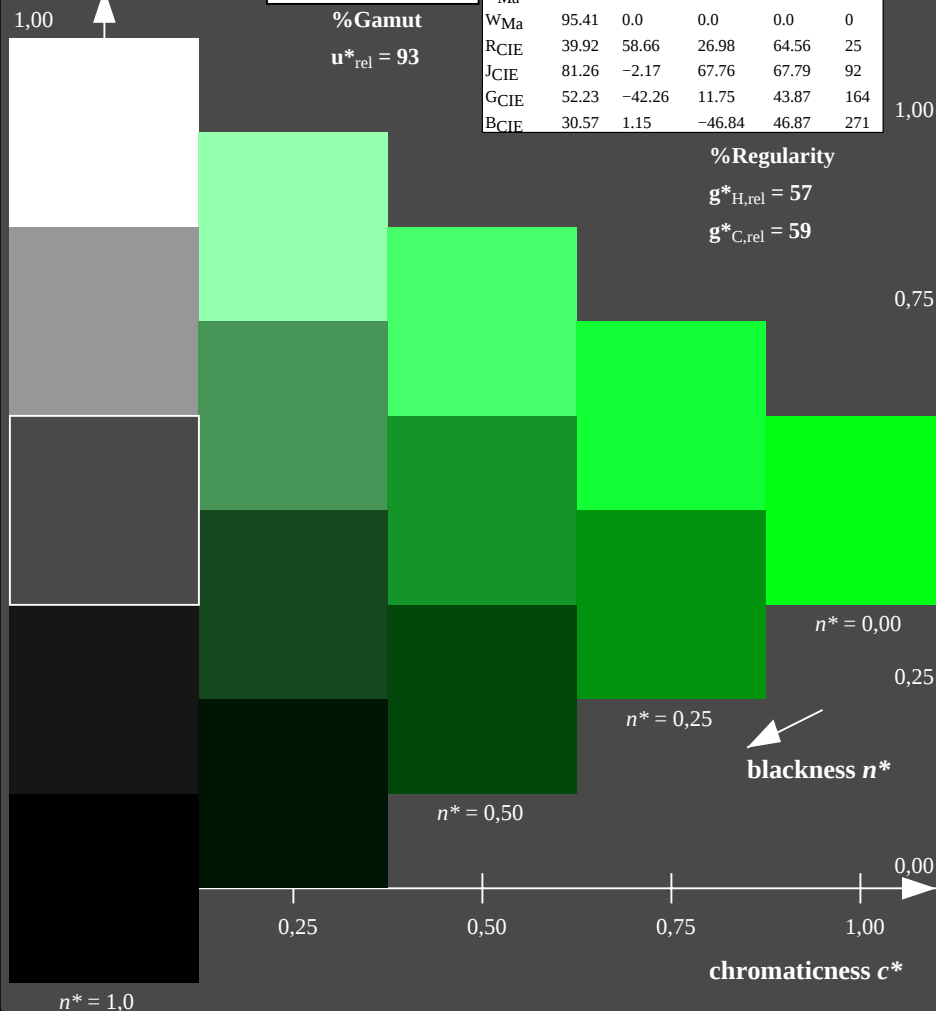


ORS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.9	-62.79	34.95	71.87	151
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	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

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

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



TE420-7, 5 step scales for constant CIELAB hue 164/360 = 0.457 (left)



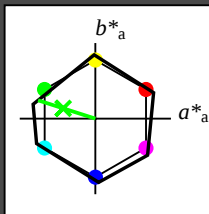
D65: 5 step colour scales and coordinate data for 10 hues

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab \cdot h = 162/360 = 0.451$

$lab \cdot tch$ and $lab \cdot nch$

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

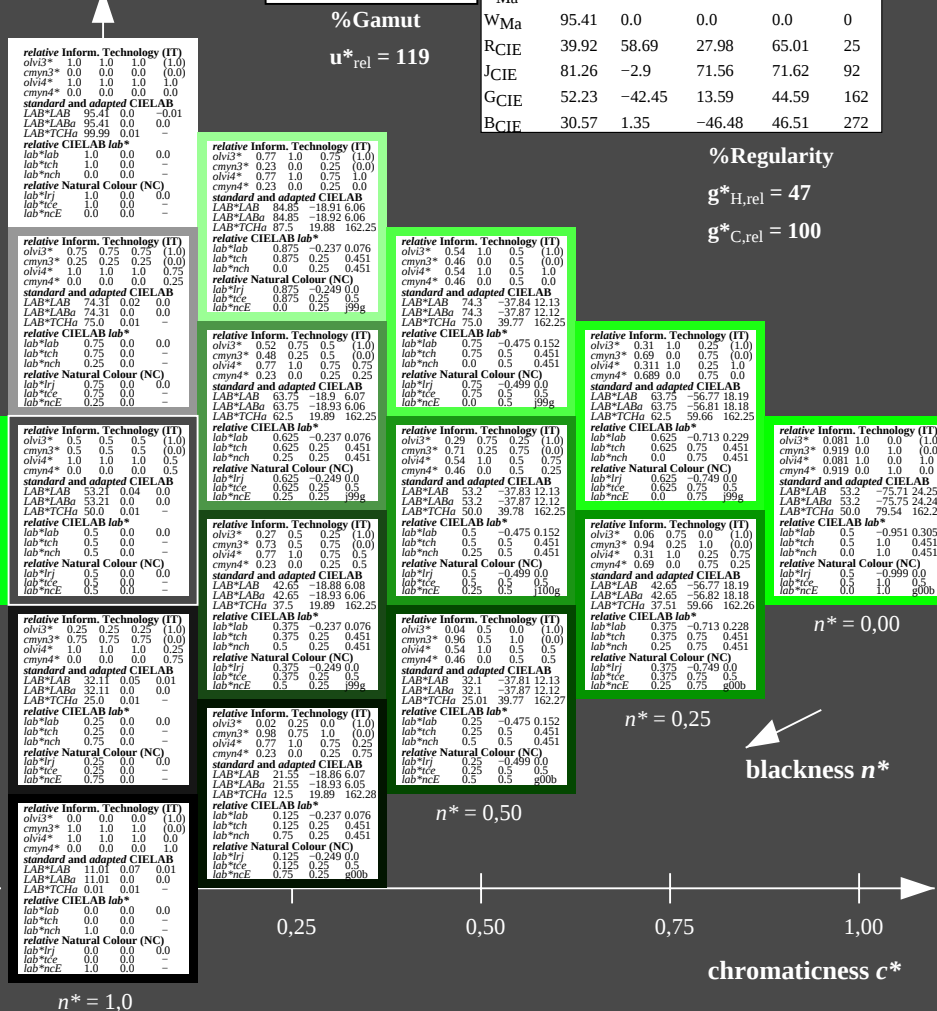


NRS11; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	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

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

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



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

input: $olv^* \cdot setrgbcolor$
output: $olv^* \cdot setrgbcolor / w^* \cdot setgray$

Input: Colorimetric Reflective System ORS18

for hue $h^* = \text{lab}^*h = 271/360 = 0.754$

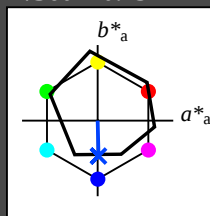
lab^*tch and lab^*nch

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
CLMa	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 $h^* = \text{lab}^*h = 272/360 = 0.755$

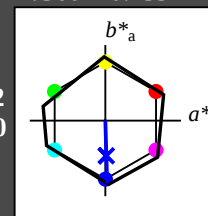
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

rgb*Ma: 0.0 0.02 1.0

triangle lightness

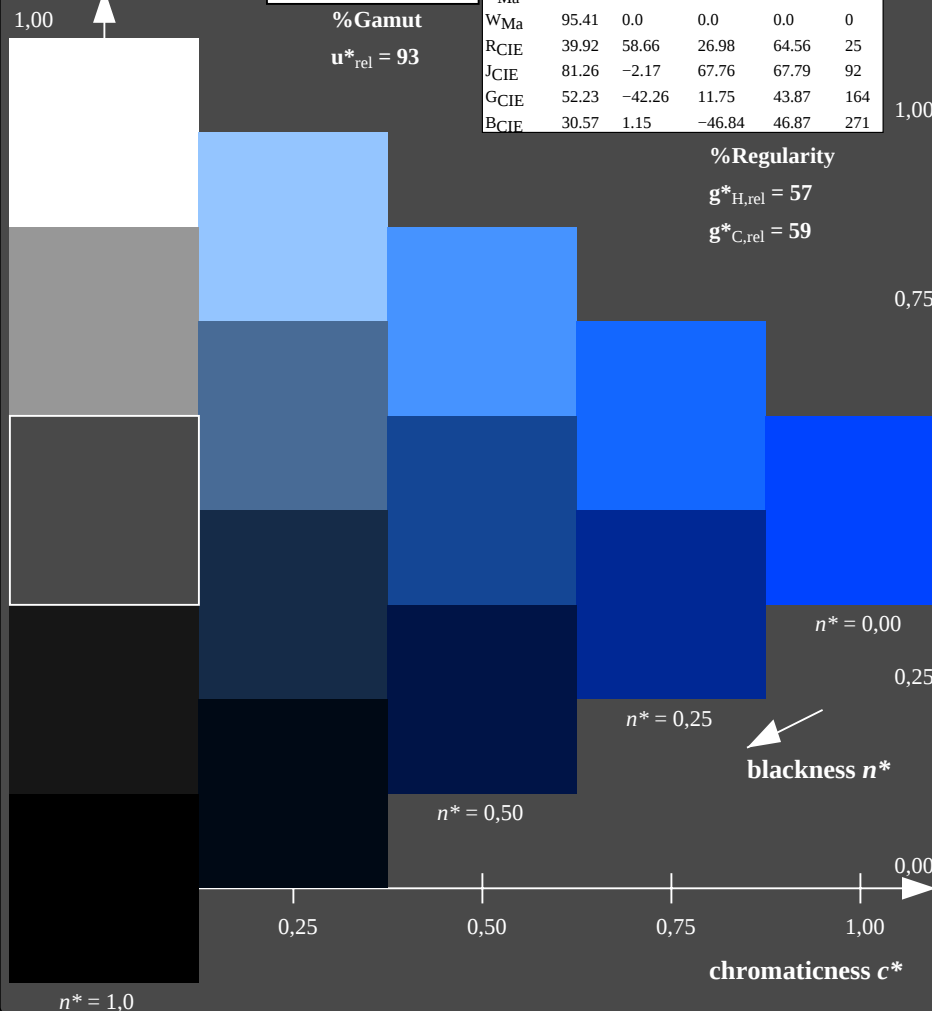


NRS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50B _{Ma}	53.2	-77.72	-32.98	84.44	203
B _{Ma}	53.2	4.37	-84.28	84.41	273
B50R _{Ma}	53.2	69.09	-48.41	84.37	325
NMa	10.99	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

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

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

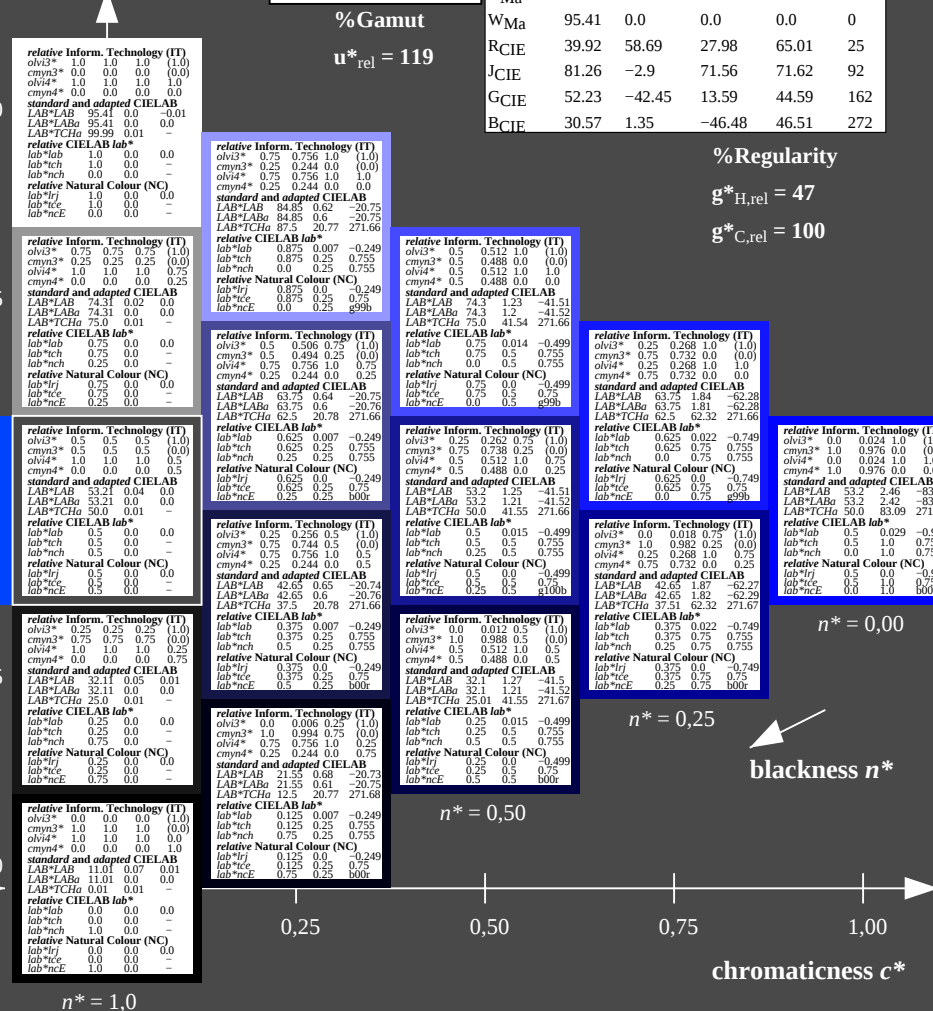


TE420-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)



BAM-test chart TE42; Colorimetric systems ORS18 & NRS11

D65: 5 step colour scales and coordinate data for 10 hues



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

input: $\text{olv}^* \text{setrgbcolor}$

output: $\text{olv}^* \text{setrgbcolor} / w^* \text{setgray}$