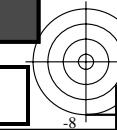


BAM registration: 20060101-UE46/10S/S46E02FP.PS/.PDF  
 application for evaluation and measurement of printer or monitor systems, Yr=2.5, XYZ

/UE46 Form 3/10. Serie: 1/1. Page: 3



**Input: Colorimetric Reflective System MRS18a**  
 for hue  $h^* = lab^*h = 171/360 = 0.475$   
 $lab^*tch$  and  $lab^*nch$

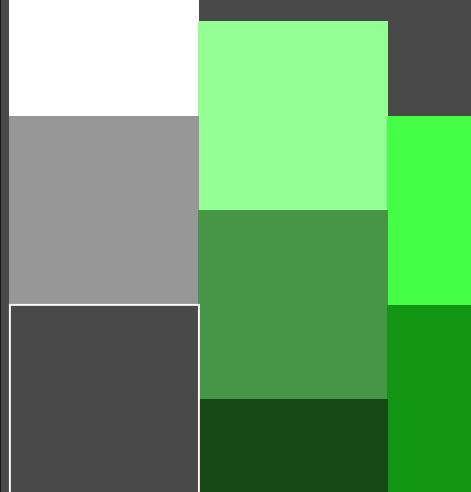
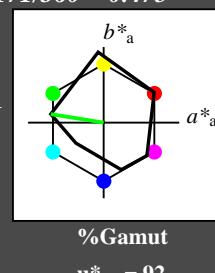
D65: hue G

LCH\*Ma: 52 71 171

rgb\*Ma: 0.0 1.0 0.0

triangle lightness

1,00



UE460-7, 5 step scales for constant CIELAB hue 171/360 = 0.475 (left)

BAM-test chart UE46; Colorimetric systems MRS18a & ORS18 input:  $cmy0*$  setcmykcolor  
 D65: 5 step colour scales and coordinate data for 10 hues  
 output:  $olv*$  setrgbcolor /  $w*$  setgray

-8  
-6

**Output: Colorimetric Reflective System ORS18**  
 for hue  $h^* = lab^*h = 151/360 = 0.419$   
 $lab^*tch$  and  $lab^*nch$

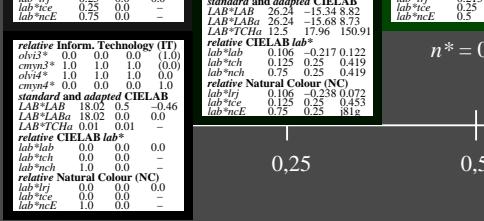
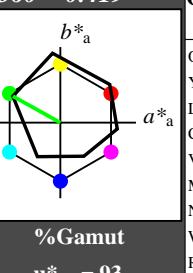
D65: hue L

LCH\*Ma: 51 72 151

rgb\*Ma: 0.0 1.0 0.0

triangle lightness

1,00



5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

-8  
-6

BAM material: code=rha4ta

application for evaluation and measurement of printer or monitor systems, Yr=2.5, XYZ



See for similar files: <http://www.ps.bam.de/UE46/>

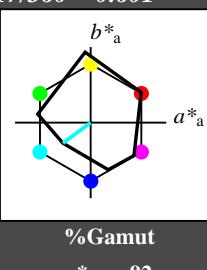
Technical information: <http://www.ps.bam.de> Version 2.1, io=01, CIEXYZ

**Input: Colorimetric Reflective System MRS18a**  
for hue  $h^* = lab^*h = 217/360 = 0.601$   
 $lab^*tch$  and  $lab^*nch$

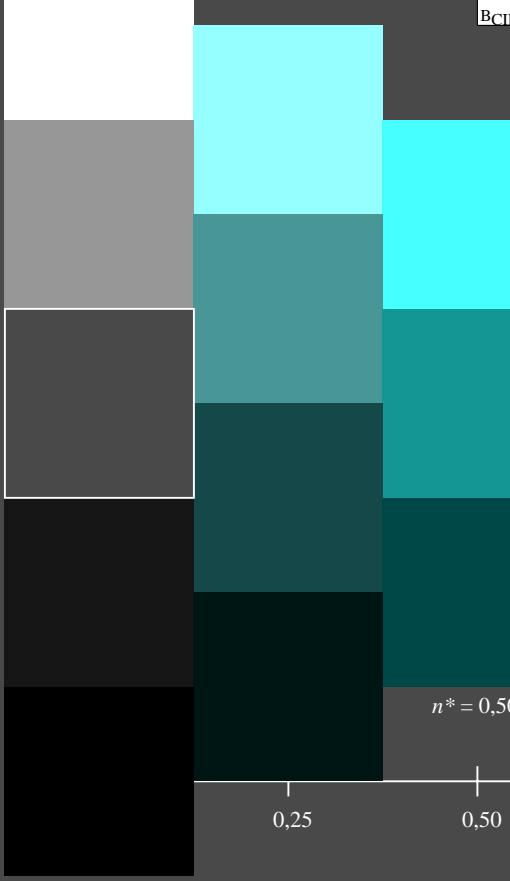
D65: hue G50B  
LCH\*Ma: 45 46 217  
rgb\*Ma: 0.0 1.0 1.0

triangle lightness

1,00



	$L^*$	$a^*$	$b^*$	$C^*$	$h^*$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272



UE460-7, 5 step scales for constant CIELAB hue 217/360 = 0.601 (left)

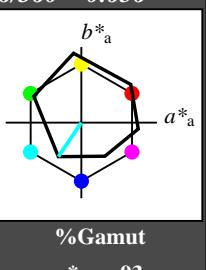
BAM-test chart UE46; Colorimetric systems MRS18a & ORS18 input:  $cmy0*$  setcmykcolor  
D65: 5 step colour scales and coordinate data for 10 hues  
Output:  $olv*$  setrgbcolor /  $w*$  setgray

**Output: 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

1,00



5 step scales for constant CIELAB hue 236/360 = 0.656 (right)



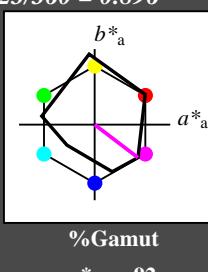


See for similar files: <http://www.ps.bam.de/UE46/>  
Technical information: <http://www.ps.bam.de>

Version 2.1, io=0/1, CIEXYZ

**Input: Colorimetric Reflective System MRS18a**  
for hue  $h^* = lab^*h = 323/360 = 0.896$   
 $lab^*tch$  and  $lab^*nch$

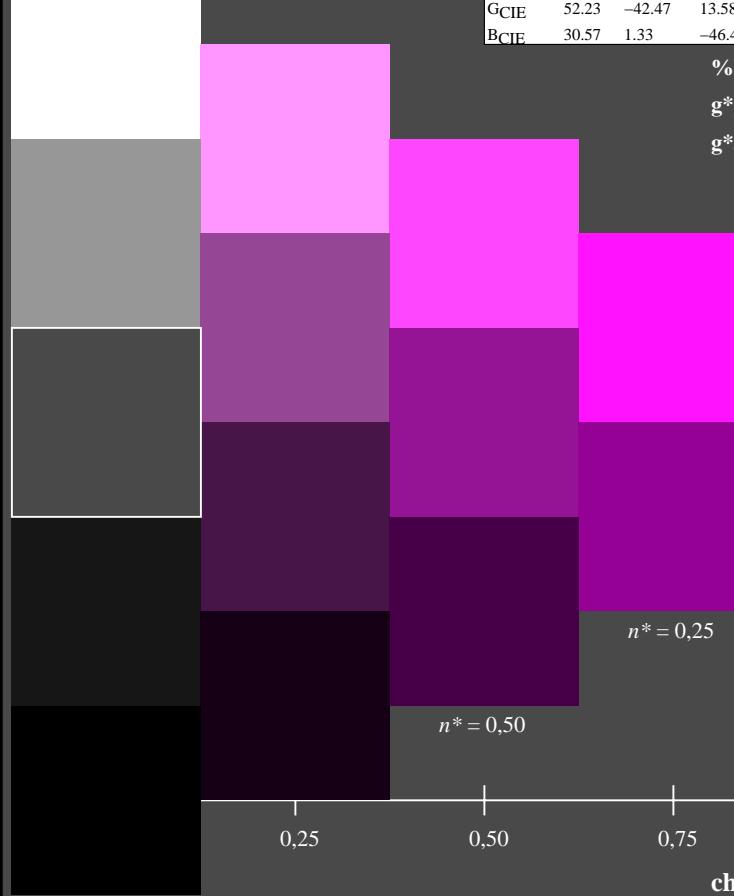
D65: hue B50R  
LCH\*Ma: 35 72 323  
rgb\*Ma: 1.0 0.0 1.0  
triangle lightness



%Gamut  
 $u^*_{rel} = 92$

	$L^*=L_a^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity  
 $g^*_{H,rel} = 42$   
 $g^*_{C,rel} = 49$



**Output: Colorimetric Reflective System ORS18**  
for hue  $h^* = lab^*h = 354/360 = 0.982$

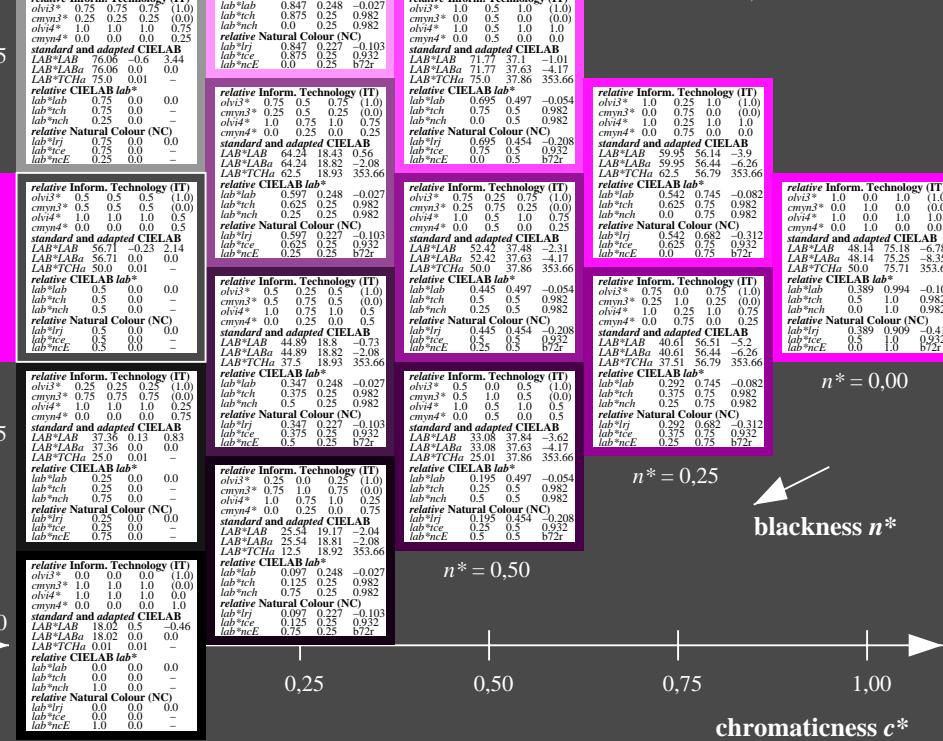
$lab^*tch$  and  $lab^*nch$   
D65: hue M  
LCH\*Ma: 48 76 354  
rgb\*Ma: 1.0 0.0 1.0  
triangle lightness



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



UE46-7, 5 step scales for constant CIELAB hue 323/360 = 0.896 (left)

5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

BAM-test chart UE46; Colorimetric systems MRS18a & ORS18 input:  $cmy0^* setcmykcolor$   
D65: 5 step colour scales and coordinate data for 10 hues output:  $olv^* setrgbcolor / w^* setgray$



See for similar files: <http://www.ps.bam.de/UE46/>

Technical information: <http://www.ps.bam.de> Version 2.1, io=0,1, CIEXYZ

**Input: Colorimetric Reflective System MRS18a**  
for hue  $h^* = lab^*h = 25/360 = 0.071$

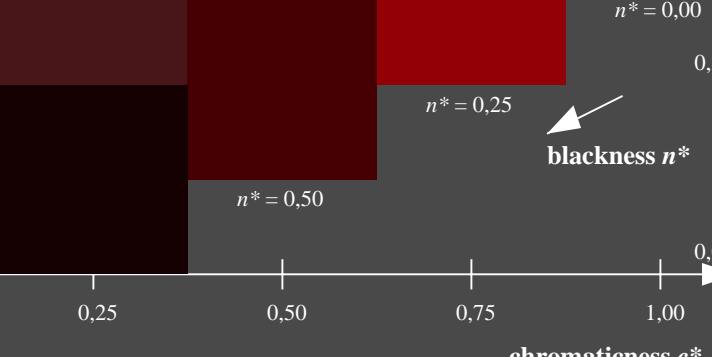
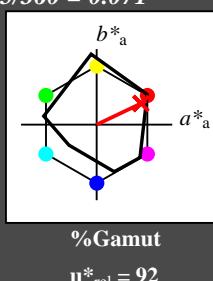
$lab^*tch$  and  $lab^*nch$

D65: hue R

LCH\*Ma: 48 73 25

rgb\*Ma: 1.0 0.0 0.1

triangle lightness



UE460-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

BAM-test chart UE46; Colorimetric systems MRS18a & ORS18 input:  $cmy0^*$  setcmykcolor  
D65: 5 step colour scales and coordinate data for 10 hues

**Output: Colorimetric Reflective System ORS18**  
for hue  $h^* = lab^*h = 25/360 = 0.069$

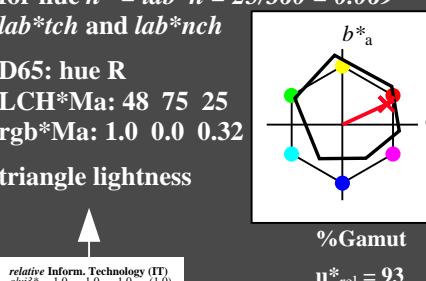
$lab^*tch$  and  $lab^*nch$

D65: hue R

LCH\*Ma: 48 75 25

rgb\*Ma: 1.0 0.0 0.32

triangle lightness



5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

BAM-test chart UE46; Colorimetric systems MRS18a & ORS18 input:  $cmy0^*$  setcmykcolor  
output:  $olv^*$  setrgbcolor /  $w^*$  setgray





