

Input: Colorimetric Reflective System MRS18

for hue  $h^* = lab^*h = 30/360 = 0.083$

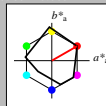
$lab^*ch$  and  $lab^*nh$

D65: hue R

LCH\*Ma: 50 77 30

rgb\*Ma: 1.0 0.0 0.0

triangle lightness  $L^*$



%Gamut

$u^*_{rel} = 91$

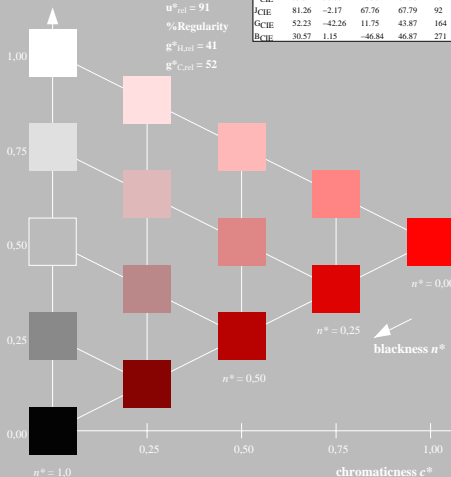
%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R <sub>Ma</sub>	49.63	66.96	38.37	77.18	30
J <sub>Ma</sub>	90.7	-6.36	88.75	88.98	94
G <sub>Ma</sub>	52.11	-69.73	9.44	70.37	172
G50B <sub>Ma</sub>	45.03	-36.57	-28.47	46.36	218
B <sub>Ma</sub>	36.65	23.19	-63.05	67.18	290
B50R <sub>Ma</sub>	34.94	57.17	-44.26	72.31	322
N <sub>Ma</sub>	18.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.66	26.98	64.56	25
J <sub>CIE</sub>	81.26	-2.17	67.76	67.79	92
G <sub>CIE</sub>	52.23	-42.26	11.75	43.87	164
B <sub>CIE</sub>	30.57	1.15	-46.84	46.87	271



UE230-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

Output: Colorimetric Reflective System NCS11

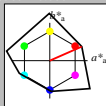
for hue  $h^* = lab^*h = 24/360 = 0.066$

$LAB^*LCH$ ,  $LAB^*NCH$

D65: hue R

LCH\*Ma: 47 92 24

rgb\*Ma: 1.0 0.0 0.0



%Gamut

$u^*_{rel} = 149$

%Regularity

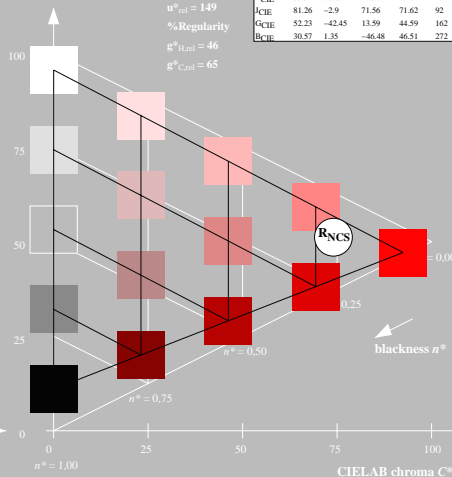
$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R <sub>Ma</sub>	47.15	84.64	37.25	92.48	24
J <sub>Ma</sub>	91.37	-1.27	125.03	125.03	91
G <sub>Ma</sub>	63.07	-114.28	25.35	117.06	167
G50B <sub>Ma</sub>	59.47	-80.6	-33.45	87.28	203
B <sub>Ma</sub>	49.01	3.65	-81.19	81.28	273
B50R <sub>Ma</sub>	44.06	106.09	-73.93	129.32	325
N <sub>Ma</sub>	10.99	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.69	27.98	65.01	25
J <sub>CIE</sub>	81.26	-2.9	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.45	13.99	44.59	162
B <sub>CIE</sub>	30.57	1.35	-46.48	46.51	272

CIELAB lightness  $L^*$



5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

BAM-test chart UE23; Colorimetric systems MRS18 & NCS11a input: *cmv0\* setcmykcolor*  
D65: Coordinate systems of 5 step colour scales for 10 hues

output: *olv\* setrgbcolor / w\* setgray*