

Input: Colorimetric Reflective System NCS11

for hue $h^* = \text{lab}^*h = 24/360 = 0.066$

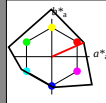
LAB*LCH, LAB*NCH

D65: hue R

LCH*Ma: 47 92 24

olv*Ma: 1.0 0.0 0.0

CIELAB lightness L^*



%Gamut

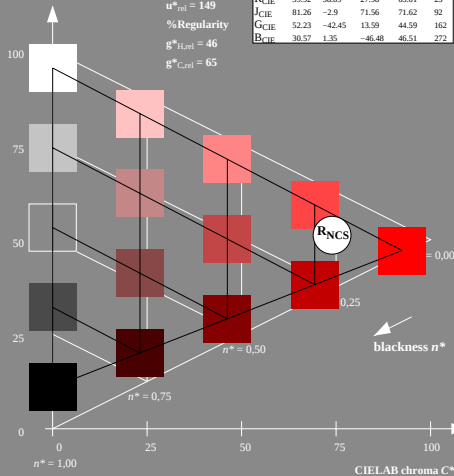
$u^*_{\text{rel}} = 149$

%Regularity

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

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

NCS11; adapted (a) CIELAB data							
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$			
R _{Ma}	47.15	84.64	37.25	92.48	24		
J _{Ma}	91.37	-1.27	125.03	125.03	91		
G _{Ma}	63.07	-114.28	25.35	117.06	167		
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203		
B _{Ma}	49.01	3.65	-81.19	81.28	273		
B50R _{Ma}	44.06	106.09	-73.93	129.32	325		
N _{Ma}	10.99	0.0	0.0	0.0	0		
W _{Ma}	95.41	0.0	0.0	0.0	0		
R _{CIE}	39.92	58.69	27.98	65.01	25		
J _{CIE}	81.26	-2.9	71.56	71.62	92		
G _{CIE}	52.23	-42.45	13.59	44.59	162		
B _{CIE}	30.57	1.35	-46.48	46.51	272		



Output: Colorimetric Reflective System MRS18

for hue $h^* = \text{lab}^*h = 30/360 = 0.083$

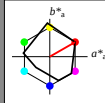
LAB*LCH, LAB*NCH

D65: hue R

LCH*Ma: 50 77 30

olv*Ma: 1.0 0.0 0.0

CIELAB lightness L^*



%Gamut

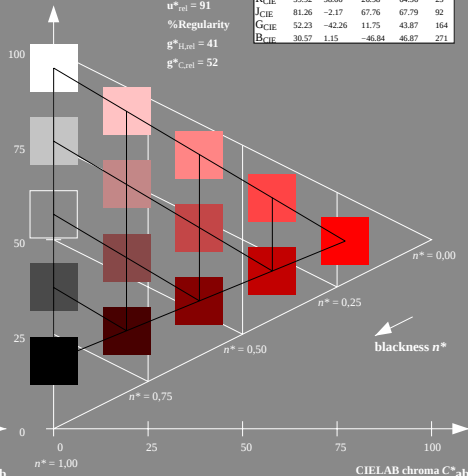
$u^*_{\text{rel}} = 91$

%Regularity

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

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

MRS18; adapted (a) CIELAB data							
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$			
R _{Ma}	49.63	66.96	38.37	77.18	30		
J _{Ma}	90.7	-6.36	88.75	88.98	94		
G _{Ma}	52.11	-69.73	9.44	70.37	172		
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218		
B _{Ma}	36.65	23.19	-63.05	67.18	290		
B50R _{Ma}	34.94	57.17	-44.26	72.31	322		
N _{Ma}	18.01	0.0	0.0	0.0	0		
W _{Ma}	95.41	0.0	0.0	0.0	0		
R _{CIE}	39.92	58.66	26.98	64.56	25		
J _{CIE}	81.26	-2.17	67.76	67.79	92		
G _{CIE}	52.23	-42.26	11.75	43.87	164		
B _{CIE}	30.57	1.15	-46.84	46.87	271		



UE38-7, 5 step scales for constant CIELAB hue 24/360 = 0.066 (left)

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

BAM-test chart UE38; Colorimetric systems NCS11a & MRS18 input: `cmv0*setcmykcolor`

D65: Coordinate systems of 5 step colour scales for 10 hues

output: `olv*setrgbcolor / w*setgray`