

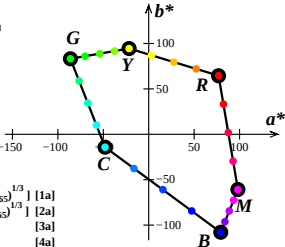
sRGB data *rgb**, *XYZxy*, and *LabC*h_{ab}* in the CIELAB-colour space

Tristimulus values of black and white: $Y_N=0,0$, $Y_W=88,6$

*LabC*h_{ab}* data

*rgb**_d *L**_d *a**_d *b**_d *C**_{ab,d} *h_{ab,d}*

R_d	1 0 0	50	76	64	100	40
Y_d	1 1 0	97	-21	94	96	102
G_d	0 1 0	87	-86	83	119	136
C_d	0 1 1	91	-48	-14	50	196
B_d	0 0 1	32	79	-107	133	306
M_d	1 0 1	60	98	-60	115	328
N_d	0 0 0	0	0	0	0	0
W_d	1 1 1	95	0	0	0	0



$$a^* = 500 \left[\left(\frac{X}{X_{D65}} \right)^{1/3} - \left(\frac{Y}{Y_{D65}} \right)^{1/3} \right] \quad [1a]$$

$$b^* = 200 \left[\left(\frac{Y}{Y_{D65}} \right)^{1/3} - \left(\frac{Z}{Z_{D65}} \right)^{1/3} \right] \quad [2a]$$

$$C^*_{ab} = \left[a^{*2} + b^{*2} \right]^{0,5} \quad [3a]$$

$$h_{ab} = \text{atan} \left[b^* / a^* \right] \quad [4a]$$