

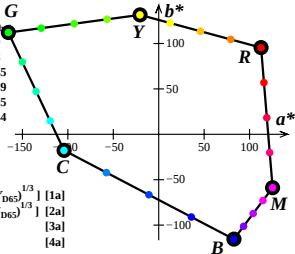
WCGa data rgb^* , XYZ_{xy} , and $LabC^*h_{ab}$ in the CIELAB-colour space

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}

R_d	1	0	0	55	112	95	147	40
Y_d	1	1	0	93	-20	131	133	98
G_d	0	1	0	81	-165	112	199	145
C_d	0	1	1	85	-104	-17	105	189
B_d	0	0	1	27	82	-115	142	305
M_d	1	0	1	60	125	-58	138	334
N_d	0	0	0	0	0	0	0	0
W_d	1	1	1	95	0	0	0	0



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

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

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

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