

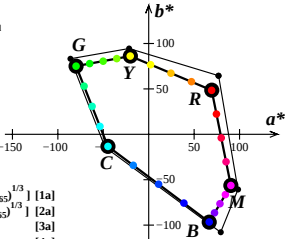
sRGB-Daten rgb^* , XYZxy und LabC*h_{ab} im CIELAB-Farbraum

Normfarbwerte von Schwarz und Weiß: $Y_{Nn}=2,2$, $Y_{Wn}=79,9$, $Y_{Za}=18$.

LabC*h_{ab}-Daten

rgb_d^* L_d^* a_d^* b_d^* $C_{ab,d}^*$ $h_{ab,d}$

R_d	1	0	0	50	69	48	84	34
Y_d	1	1	0	93	-20	86	88	103
G_d	0	1	0	84	-79	75	109	136
C_d	0	1	1	87	-44	-13	46	196
B_d	0	0	1	35	66	-96	117	304
M_d	1	0	1	59	90	-56	106	328
N_d	0	0	0	16	0	0	0	19
W_d	1	1	1	91	0	0	0	0



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

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

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

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