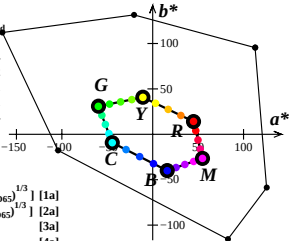


WCGa-Daten rgb^* , XYZ_{xy} und $LabC^*h_{ab}$ im CIELAB-Farbraum

Normfarbwerte von Schwarz und Weiß: $Y_{Nn}=40,3$, $Y_{Wn}=88,6$, $Y_{Wa}=88,6$.

$LabC^*h_{ab}$ -Daten

	rgb_d^*	L_d^*	a_d^*	b_d^*	$C_{ab,d}^*$	$h_{ab,d}$
R_d	1 0 0	77	44	14	47	17
Y_d	1 1 0	94	-10	40	42	104
G_d	0 1 0	88	-59	30	67	152
C_d	0 1 1	90	-44	-9	45	191
B_d	0 0 1	71	15	-40	43	291
M_d	1 0 1	79	54	-26	60	334
N_d	0 0 0	69	0	0	0	0
W_d	1 1 1	95	0	0	0	0



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

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

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

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