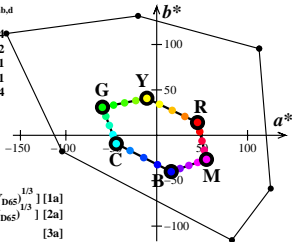


# WCGa-Daten $rgb^*$ , $XYZxy$ und $LabC^*h_{ab}$ im CIELAB-Farbraum

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

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



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

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

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

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