

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

Tristimulus values of black and white:  $Y_{Nn}=2,5$ ,  $Y_{Wn}=88,6$ ,  $Y_{Wa}=88,6$ .

## $LabC^*h_{ab}$ data

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

$R_d$  1 0 0 57 106 67 126 32

$Y_d$  1 1 0 93 -20 116 117 99

$G_d$  0 1 0 82 -154 97 182 147

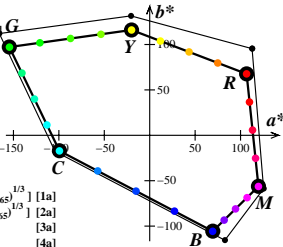
$C_d$  0 1 1 85 -99 -17 100 189

$B_d$  0 0 1 33 69 -105 126 303

$M_d$  1 0 1 61 119 -56 132 334

$N_d$  0 0 0 18 0 0 0 19

$W_d$  1 1 1 95 0 0 0 0



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

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

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

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