

$$XYZ_w = 84.1998, 88.59, 96.46$$
$$a^* = 500 (a' - a'_n) Y^{1/3}$$
$$b^* = 500 (b' - b'_n) Y^{1/3}$$
$$a' = a_2 [x/y]^{1/3}$$
$$b' = b_2 [z/y]^{1/3}$$
$$a_2 = [1/X_{D65}]^{1/3} = 0.2191$$
$$b_2 = -[1/Z_{D65}]^{1/3} = -0.08376$$

$n = D65$

CIELAB D65

Name and spectral range

 $R_{\mathrm{m}} 561_{-770} \quad Y_{\mathrm{m}} 520_{-770}$

G_m 475_573 C_m 380_561

 $B_m 380_520 \quad M_m 573_475$

G_0 520_570 M_0 570_520

10 optimal colours (o), $Y_w=88,6$

8 of maximum (m) C_{AB} for D65

in chroma diagram (a^*_{D65} , b^*_{D65})

Parameter: N 