

$XYZ_w=84.1998, 88.59, 96.46$

$a^* = 500 (a' - a'_n) Y^{1/3}$

$b^* = 500 (b' - b'_n) Y^{1/3}$

$a' = a_2 [x/y]^{1/3}$

$b' = b_2 [z/y]^{1/3}$

$a_2 = [1/X_{D65}]^{1/3} = 0.21945$

$b_2 = -[1/Z_{D65}]^{1/3} = -0.08376$

$n = D65$

**CIELAB D65**

**Name and spectral range**

$R_m$  565\_770     $Y_m$  495\_770

$G_m$  475\_575     $C_m$  380\_565

$B_m$  380\_495     $M_m$  575\_475

**Optimal colours (o),  $Y_w=88,6$**

**6 of maximum (m)  $C_{AB}$  for**

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

