

XYZ_w=95.0443 , 100.0 , 108.89

$$a^* = 500 (a' - a'_n) Y^{1/3}$$
$$b^* = 500 (b' - b'_n) Y^{1/3}$$
$$a' = a_2 [x/y]^{1/3}$$
$$b' = b_2 [z/y]^{1/3}$$
$$a_2 = [1/X_n]^{1/3} = 0.2191$$
$$b_2 = -[1/Z_0]^{1/3} = -0.08376$$

$n = D65$

CIELAB 76

Name and spectral range

R_m 561_770 Y_m 520_770

G_m 475_573 C_m 380_561

 B_m 380_520 M_m 573_475

G_0 520_570 M_0 570_520

10 optimal colours (o), $Y_w=100$

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

in CIELAB diagram (a^* , b^*)

Parameter: N 