

$XYZ_w = 95.0443, 100.0, 108.89$

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

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

$a_{20} = [1/X_n]^{1/3} = 0,2191$

$b_{20} = -[1/Z_n]^{1/3} = -0,0837$

$a' = a_{20} [x/y]^{1/3}$

$b' = b_{20} [z/y]^{1/3}$

$n = D65$

CIELAB<sub>76</sub>; D65

Optimal colours (o);

6 of maximum (m)  $C_{ab}$ ;

chroma ( $a^*, b^*$ );

Name and spectral range:

$R_{me}$  570\_770     $Y_{me}$  520\_770

$G_{me}$  470\_570     $C_m$  380\_570

$B_{me}$  380\_520     $M_m$  570\_470

$R_o$  570\_445     $G_o$  520\_570

