

$XYZ_w = 97.4579, 100.0, 95.98$ b^*_{D65}

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

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

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

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

$a_{20} = [1/X_{D65}]^{1/3} = 0.2181$

$b_{20} = -[1/Z_{D65}]^{1/3} = -0.08377$

$n = P55$

CIELAB_D65; P55-120

Optimal colours (o);

6 of maximum (m) C_{AB} ;

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

Name and spectral range:

R_{me} 570_770 Y_{me} 510_770

G_{me} 470_570 C_m 380_570

B_{me} 380_510 M_m 570_470

R_o 570_440 G_o 520_570

