

$XYZ_{w,10} = 96.7256, 100.0, 81.41b^*_{D65,10}$

$a^*_{10} = 500 (a'_{10} - a'_{n,10}) Y_{10}^{1/3}$

$b^*_{10} = 500 (b'_{10} - b'_{n,10}) Y_{10}^{1/3}$

$a'_{10} = a_{20} [x_{10}/y_{10}]^{1/3}$

$b'_{10} = b_{20} [z_{10}/y_{10}]^{1/3}$

$a_{20} = [1/X_{D65,10}]^{1/3} = 0,2193$

$b_{210} = -[1/Z_{D65,10}]^{1/3} = -0,08418$

$n = D50$

CIELAB\_D65; D50-120

Optimal colours (o);  
 6 of maximum (m)  $C_{AB}$ ;  
 chroma ( $a^*_{D65,10}, b^*_{D65,10}$ );  
 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

