XYZ_w=84.1998 , 88.59 , 96.46

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

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

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

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

$a_2=[1/X_n]^{1/3}=0.2191$

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

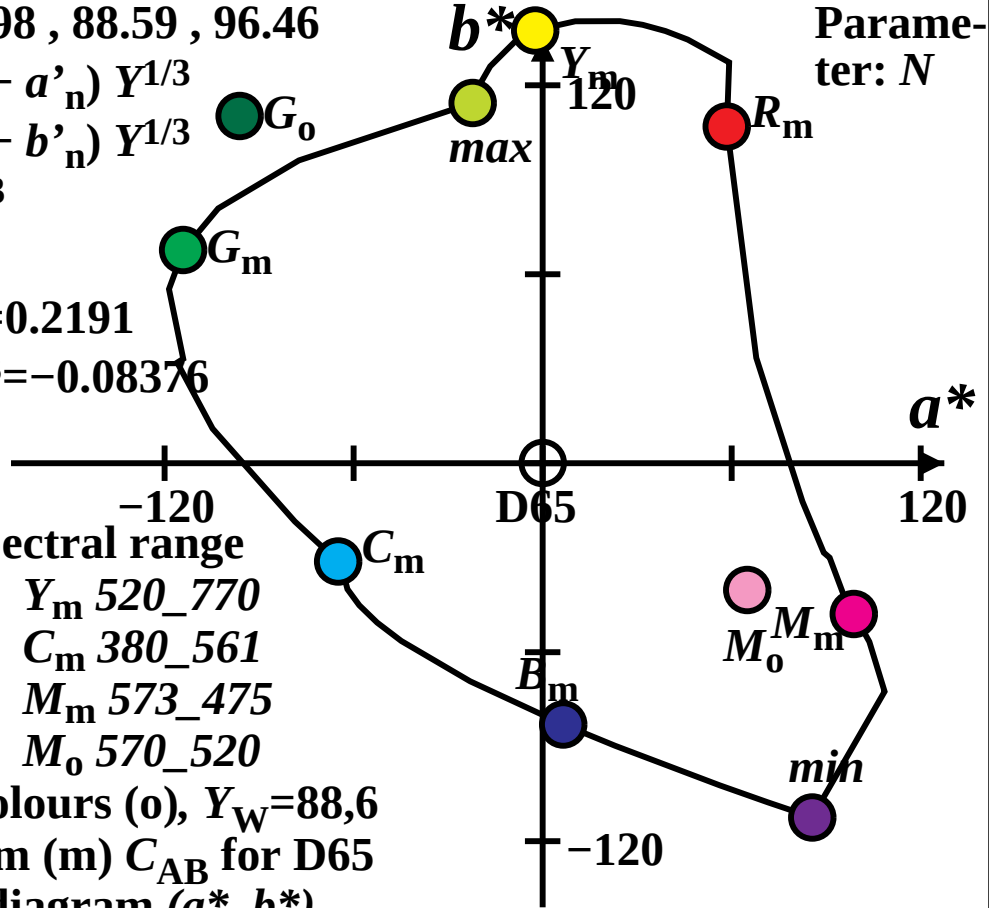
n = D65

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_o	520_570	M_o	570_520

10 optimal colours (o), Y_W=88,6

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

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