

$XYZ_w=84.1998, 88.59, 96.46$

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

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

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

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

$a_2 = [1/X_{D65}]^{1/3} = 0.2191$

$b_2 = -[1/Z_{D65}]^{1/3} = -0.08376$

$n = D65$

CIELAB D65

Name and chromaticity

$R_{d,sRGB} \quad x=0,64 \quad y=0,33$

$G_{d,sRGB} \quad x=0,30 \quad y=0,60$

$B_{d,sRGB} \quad x=0,18 \quad y=0,06$

Basic and mixture colours, $Y_w=88,6$

of the sRGB colour space for D65

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

