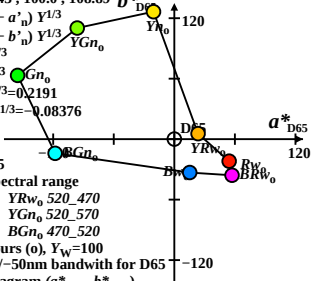


$XYZ_w=95.0443, 100.0, 108.89 \quad h^*$

$$a^* = 500 (a' - a'_n) Y^{1/3}$$
$$b^* = 500 (b' - b'_n) Y^{1/3}$$
$$a' = a_2 [x/y]^{1/3}$$
$$b' = b_2 [z/y]^{1/3} \odot_{Gn_0}$$
$$a_2 = [1/X_{D65}]^{1/3} = 0.2191$$
$$b_2 = -[1/Z_{D65}]^{1/3} = -0.08376$$

$n = D65$



CIELAB D65

Name and spectral range

R_{w0} 545_495 YR_{w0} 520_470

Yn₀ 545_595 YGn₀ 520_570

Gn₀ 495_545 BGn₀ 470_520

Optimal colours (o), $Y_w=100$

of usually 50/-50nm bandwith for D65

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