

$(Y/\Delta Y) / (Y/\Delta Y)_u$

CIELAB-Y contrast
normalized to $(Y/\Delta Y)_u$

$C_r/C_{ru} = (Y/\Delta Y) / (Y/\Delta Y)_u$

$L^* = s (Y/Y_n)^n - d$ ($Y_n=100, Y_u=18, s=116, n=1/3, d=16$) [1a]

$L^* = r (Y/Y_u)^n - d$ ($r = s (Y_u/Y_n)^n = 65,49, L^*_u = r - d$) [1b]

$Y/dY = Y / \{ [(Y_n / (n s))] (Y / Y_n)^{1-n} \}$ [4c]

$(Y/Y)_u = Y_u / \{ [(Y_n / (n s))] (Y_u / Y_n)^{1-n} \}$ [4d]

$(Y/dY) / (Y/dY)_u = (Y/Y_u)^n$ [4e]

