

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

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

$$S_r / S_{ru} = (\Delta Y / Y) / (\Delta Y / Y)_u$$

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

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

$$dY / Y = [ (Y_n / (n s)) ] (Y / Y_n)^{1-n} / Y \quad [3c]$$

$$(dY / Y)_u = [ (Y_n / (n s)) ] (Y_u / Y_n)^{1-n} / Y_u \quad [3d]$$

$$(dY / Y) / (dY / Y)_u = (Y / Y_u)^{-n} \quad [3e]$$

