

$\log [(\Delta Y/Y) / (\Delta Y/Y)_u]$

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

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

$100L^*=s(Y/Y_u)^n-d$ ($Y_n=100, Y_u=18, s=116,0, n=1/3, d=16,0$) [1a]

$L^*=r(Y/Y_u)^n-d$ ($r=s(Y_u/Y_n)^n=65,49, L^*_u=r-d=49,4$) [1b]

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

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

$10 (dY/Y) / (dY/Y)_u = (Y/Y_u)^{-n}$ [3e]

$\log [(dY/Y) / (dY/Y)_u] = (-n) \log(Y/Y_u)$ [3f]

