

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

**CIELAB-Y-Empfindlichkeit
normiert für $(\Delta Y/Y)_u$**

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

2 **100** $L^* = s (Y/Y_n)^n - d \quad (Y_n=100, Y_u=18, s=116, n=1/3, d=16)$ [1a]

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

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

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

1 **10** $(dY/Y) / (dY/Y)_u = (Y/Y_u)^{-n}$ [3e]

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

