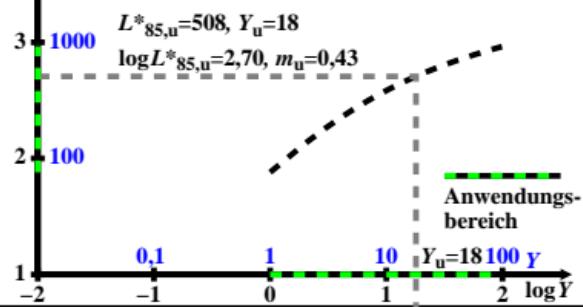


$\log L^*_{85}$

### LABJND-Helligkeit keine CIEDE2000-Helligkeit

$$L^*_{85} = (t/a) \ln [1 + b(Y/Y_u)]$$

$$a=0,3411 \quad t=88,23 \quad t/a=258,6 \quad b=a \cdot Y_u=6,14$$



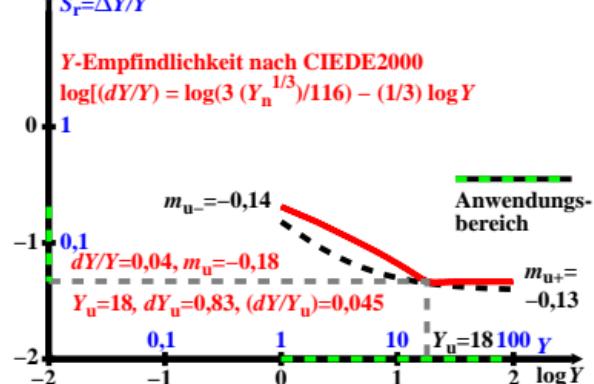
egr51-1a

### CIE Y-Empfindlichkeit $10S_r,\text{LABJND}$ und $S_r,\text{CIEDE2000}$

$$S_r = \Delta Y/Y$$

$$Y\text{-Empfindlichkeit nach CIEDE2000}$$

$$\log[(dY/Y)u] = \log(3(Y_n^{1/3}/116) - (1/3)\log Y)$$



egr51-5a

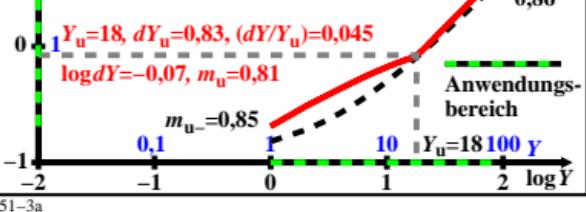
### CIE-Normfarbwertdifferenz $10\Delta Y_{\text{LABJND}}$ und $\Delta Y_{\text{CIEDE2000}}$

$$\Delta Y = 116(Y_n)^{1/3} - 16$$

Normfarbwertdifferenz nach CIEDE2000

$$\log(dY) = \log(3(Y_n/116)) + (2/3)\log(Y/Y_n)$$

$$= \log(3(Y_n^{1/3}/116)) + (2/3)\log(Y)$$



egr51-3a

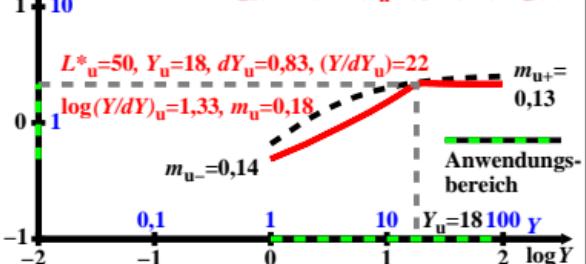
### CIE Y-Kontrast $0,1C_r,\text{LABJND}$ und $C_r,\text{CIEDE2000}$

$$C_r = Y/\Delta Y$$

$$Y\text{-Kontrast nach CIEDE2000}$$

$$\log(Y/dY) = \log[(1/3)(116/Y_n)] + (1/3)\log(Y/Y_n)$$

$$= \log[(1/3)(116/(Y_n^{1/3}))] + (1/3)\log(Y)$$



egr51-7a

egr51-3n