

$\log(Y/\Delta Y)$

CIE Y sensitivity

$0,1 S_{r,\text{LABJND}}$ and $S_{r,\text{CIEDE2000}}$

$$S_r = (Y/\Delta Y)$$

Y sensitivity according to CIEDE2000

$$\begin{aligned}\log(Y/dY) &= \log[(1/3)(116/Y_n)] + (1/3)\log(Y/Y_n) \\ &= \log[(1/3)(116/(Y_n^{1/3}))] + (1/3)\log(Y)\end{aligned}$$

10

1

$$L^*_{ab,u}=50, Y_u=18, dY_u=0,83, Y_u/dY_u=21$$

$m_{u+}=$
0,13

$$\log(Y/dY)=1,33, m_u=0,18$$

$m_{u-}=0,14$

application
range

-1

0,1

1

10

2

$Y_u=18$ 100 Y