

$\log \left[\frac{(Y/\Delta Y)}{(Y_u/\Delta Y_u)} \right]$ relative CIE tristimulus
 $\log(S_r)$ $S_r/S_{ru} = (Y/\Delta Y)/(Y_u/\Delta Y_u)$ value Y sensitivity

$$2 \cdot 100 L^* = (t/a) \ln [1 + b (Y/Y_u)]$$

$$a=0.3411 \quad t=88.23 \quad t/a=258.6 \quad b=a \cdot Y_u=6.14$$

relative tristimulus value Y sensitivity

$$\log \left[\frac{(Y/dY)}{(Y_u/dY_u)} \right] = \log \left[\frac{(t \cdot Y)}{(1+b \cdot (Y/Y_u))} \right] - \log \left[\frac{(t \cdot Y_u)}{(1+b)} \right]$$

$$L^*_u=508, Y_u=18, dY_u=0.08, Y_u/dY_u=222$$

$$\log \left[\frac{(Y/dY)}{(Y_u/dY_u)} \right] = 0, m_u=0.13$$

