

$\log(Y/\Delta Y)$

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

CIE tristimulus

value  $Y$  sensitivity

4-10000

$$L^* = (t/a) \ln (1 + a \cdot Y)$$

$$a = 0.3411$$

$$t/a = 258.6$$

tristimulus value sensitivity

$$\log(Y/dY) = \log [(1+a \cdot Y) / (t \cdot Y)]$$

3-1000

$$Y_u = 18, dY_u = 0.08, Y_u/dY_u = 222$$

$$\log(Y/dY) = 2.34, m_u = 0.13$$

2-100



application  
range

$$Y_u = 18 \quad 100 \quad Y$$

-2

0,1

1

10

2

$\log(Y)$