

$\log (Y/\Delta Y)$

CIE Y based sensitivity

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

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

$$a = 0.3411 \quad t = 88.23 \quad t/a = 258.6$$

relative tristimulus value Y sensitivity

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

3

1000

2

100

1

-2

0,1

-1

0

1

1

10

2

100

$\log(Y)$

application
range

$Y_u = 18 \cdot 100 \cdot Y$