

$\log(Y/\Delta Y)$

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

IECsRGBJND-tristimulus

value contrast

2-100

$$L^*_{\text{IECsRGBJND}} = 100 (Y/Y_n)^{1/7,2}$$

IECsRGBJND-tristimulus value contrast

1-10

$$\begin{aligned}\log(Y/dY) &= \log[(1/7,2) (100/Y_n)] + (1/7,2) \log(Y/Y_n) \\ &= \log[(1/7,2) 100/(Y_n^{1/7,2})] + (1/7,2) \log(Y)\end{aligned}$$

0-1

$$L^*_u = 50, Y_u = 0, dY_u = 0,09, Y_u/dY_u = 6$$

$$\log(Y/dY) = 1,03, m_u = 0,13$$

application
range

