

$\log \Delta Y$

CIE tristimulus value difference

$10\Delta Y_{\text{LABJND}}$ and $\Delta Y_{\text{CIEDE2000}}$

ΔY

$$L^* = 116 (Y/Y_n)^{1/3} - 16$$

tristimulus value difference according to CIEDE2000

$$\begin{aligned}\log(dY) &= \log(3 (Y_n/116)) + (2/3) \log(Y/Y_n) \\ &= \log(3(Y_n^{1/3})/116) + (2/3) \log(Y)\end{aligned}$$

1

10

0

$$Y_u=18, dY_u=0,83, dY_u/Y_u=0,045$$

$$\log(dY)=0,84, m_u=0,81$$

$$m_{u+}=0,86$$

$$m_{u-}=0,85$$

0,1

1

10

100

Y

application range

$Y_u=18$

AET20-3A_1

AET20-7R