

$\log(\Delta Y/\Delta Y_n)$

CIELABn4 relative
tristimulus value difference

$$Y_{nc} = L^*_{WRGBnc} = 100, 52, 87, 31$$

$\Delta Y/\Delta Y_u$

2 100

$$L^*_{CIELABn4} = 87(Y/Y_n)^{1/1,5} + 13 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY/dY_u) = [1 - (1/1,5)] \log(Y/Y_u)$$

1 10

$$dY_{90}/dY_u = 1,70, \gamma = 1,5, 1/\gamma = 1/1,5 = 0,66$$

$$dY_{18}/dY_u = 1,00, S_n = 86,98, D_n = 13,01$$

$$dY_{3,6}/dY_u = 0,58, Y_n = 100, dY_n = 5,40$$

0 1

$$L^*_u = 41, dY_u = 5,40, dY_u/Y_u = 0,3005$$

$$\log[(dY)/(dY)_u] = 0, m_u = 0,33$$

----- application
range

