

$\log \Delta Y$

CIE tristimulus value difference  $\Delta Y$

$$L^* = 116 (Y/Y_n)^{1/3} - 16 \quad (Y_n=100, 1 \leq Y \leq 100)$$

$$dY = (3/116) \cdot (Y/Y_n)^{2/3}$$

$$dY = a \cdot (Y/Y_n)^{2/3}$$

$$dY = b \cdot (Y/Y_u)^{2/3}$$

$$a = 0,557$$

$$b = 6,516$$

[1c]

[2c]

[3c]

[4c]

[5c]

$\Delta Y$   
100

10

1

-10,041

0

10

1

100

2

1000

3

10000

4

$\log Y$

$\log(dY_u) = -0,08, m_u = 0,66$

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

application range