

$\Delta Y / \Delta Y_u$

CIE tristimulus value difference

ΔY normalized to ΔY_u

$\Delta Y / \Delta Y_u$

6

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

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

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

$dY = b \cdot (Y/Y_u)^{2/3} \quad [4d]$

$a = 0,557$

$b = 3,826$

[5d]

3,089

4

2

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

$\log[(dY)/(dY_u)]=0, m_u=0,66$

application
range

0

-2

0,1

-1

0,143

0

10

1

100

2

$\log(Y)$