

$\log(Y/\Delta Y)$

CIE Y-Kontrast

$C_r = Y/\Delta Y$

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

$Y/dY = (3/116) \cdot Y_n^{1/3} Y^{2/3} \text{ [2g]}$

$Y/dY = e \cdot (Y/Y_u)^{2/3} \text{ [3g]}$

$Y/dY = f \cdot (Y/Y_u)^{2/3} \text{ [4g]}$

$e = 833,048 \text{ [5g]}$

$f = 5721,613$

$Y_u=18, dY_u=0,83, (Y/dY_u)=22$

$\log(Y/dY)_u=1,33, m_u=0,33$

2

100

$f = 5721,613$

38,6

1

10

8,3

Anwendungsbereich

0

0,1

1

10

$Y_u=18 \quad 100 \quad Y$

$\log Y$