

$(Y/\Delta Y) / (Y/\Delta Y)_u$

CIE Y-Kontrast
normiert für $Y_u/\Delta Y_u$

$C_r/C_{ru} = (Y/\Delta Y)/(Y/\Delta Y)_u$

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

$Y/dY = (3/116) \cdot Y_u^{1/3} Y^{2/3}$ [2h]

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

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

$e = 833,048$

$f = 5721,613$

1,757

[1h]

[2h]

[3h]

[4h]

[5h]

$L^*_u=50, Y_u=18, dY_u=0,83, (Y/dY_u)=22$

$[(Y/dY)_u/(Y/dY)_u]=1, m_u=0,78$

Anwendungsbereich

0,378

0,1

1

10

$Y_u=18$ 100 Y

2

log Y