

$$(Y/\Delta Y) / (Y_u/\Delta Y_u)$$

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

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

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

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

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

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

$$e = 833,048$$

$$f = 9743,392$$

$$[5h]$$

$$\log[(Y/dY)/(Y_u/dY_u)] = 0, m_u = 0,33$$

$$\bar{L}^*_u = 50, Y_u = 18, dY_u = 0,83, Y_u/dY_u = 21$$

$$0,426$$

$$0,249$$

$$Y_N = 3,6, Y_u = 18, Y_W = 90$$

Anwendungsbereich

-1 0 1 2 3 4 $\log Y$