

$\log[L^*_{r,CIELAB}]$

relative Helligkeit normiert zur
Umgebungshelligkeit $L^*_{u,CIELAB}$

2 **100** $L^* = 116 (Y/Y_u)^{1/3} - 16, \quad Y_u = 100, Y_u = 18, 1 \leq Y \leq 100 \quad [1b]$

$L^* = k_u (Y/Y_u)^{1/3} - 16, \quad k_u = 116 [Y_u/Y_u]^{1/3} = 65,50 \quad [2b]$

$L^*/L^*_u = [(Y/Y_u)^{1/3} - 16/k_u] / [1 - 16/k_u] \quad [3b]$

1 **10**

0 **1** $\log[(L^*/L^*_u)] = m_u = 1,03$

$L^*_u = 50, Y_u = 18$

Anwendungsbereich

N-Schwelle

0,1

10

$Y_u = 18$ 100

1000 Y