| $L*/L*_u$ | **IECsRGB-Helligkeit $L*$ normiert** |
| | **für die UmgebungsHelligkeit $L*_u$** |

$L* = s\,(Y/Y_n)^n - d$ $(Y_n = 100,\ Y_u = 18,\ s = 100,\ n = 1/2,4,\ d = 0)$ **[1a]**

$L* = r\,(Y/Y_u)^n - d$ $(r = s\,(Y_u/Y_n)^n = 48,94,\ L*_u = r - d)$ **[1b]**

$L*/L*_u = (Y/Y_u)^n$ **[1c]**

$\log (L*/L*_u) = n \log (Y/Y_u)$ **[1d]**

$\ln (L*/L*_u) = \ln(10)\,n \log (Y/Y_u)$ **[1e]**

$L*/L*_u = e^{\ln(10)\,n \log (Y/Y_u)}$ **[1f]**