$\log[(Y/\Delta Y) / (Y/\Delta Y)_u]$ CIE Y contrast normalized to $(Y/\Delta Y)_u$

$C_r/C_{ru}=(Y/\Delta Y)/(Y/\Delta Y)_u$ LABJND & CIEDE2000

Y contrast according to CIEDE2000

$\log[(Y/\Delta Y)/(Y/\Delta Y)_u] = (1/3)\log((Y/Y)_u)$

$L^*_u=50$, $Y_u=18$, $dY_u=0,83$

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

$\log[(Y/dY)_u/(Y/dY)_u]=0$, $m_u=0,18$

$m_{u+}=0,13$

$m_{u-}=0,14$

application range

$Y_u=18$

eew70–8A