

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

relative CIE tristimulus
value Y difference

$\Delta Y/\Delta Y_u$

2 100 $L^* = (t/a) \ln(1 + a \cdot Y)$

$a=0,3411$ $t=88,23$ $t/a=258.6$

relative tristimulus value Y difference

$\log(dY/dY_u) = \log[(1+a \cdot Y)/t] - \log[(1+a \cdot Y_u)/t]$

1 10

$Y_u=18$, $dY_u=0,08$, $dY_u/Y_u=0,0044$

$\log[(dY)/(dY_u)]=0$, $m_u=0,86$

0 1

application
range

$Y_u=18$ 100 Y

-1

0,1

1

10

2

$\log(Y)$

-2

-1

0

1

2