Lightness L*7 for surround mean grey Z (sRGB) For separated surface colours in the range 0.0036 < R < 0.90or the digital range 1/255=0.0039 < R < 1.00 it is valid: $L_{7}^{*} = a (R/R_{n})^{k}$ [1] $a=100; R_n=1,00; k=0,42=1/2.4$ $= b (R/R_{\perp})^{k}$ [2] $b=a(R_n/R_n)^k=50; R_n=0.18$ For $R=R_{n}$, it is valid: $L*_{7n}=50$. Derivation of equation [2] gives with 1-k = 0.58: $\delta(L_{\tau}^*)/\delta R = c (R/R_n)^{1-k}$ [3] $c = (b k)/R_n = 21/18 = 1,17$ or for the threshold $\delta(L^*\tau)=1$ $\delta R = d \left(R/R_{\rm p} \right)^{1-\rm k}$ [4] $d = R_{y}/(b k) = 18/21 = 0.86$ For the surround lightness $L^*_{Z_{II}} = 50$ with $R = R_{II}$ the threshold is: $\delta R_{7n} = 0.86$. This threshold is *independent* of k. CEA11-IN