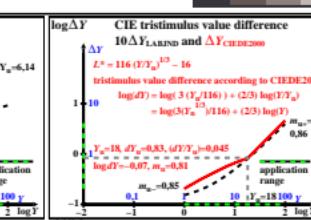
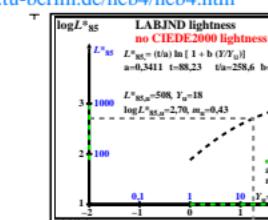
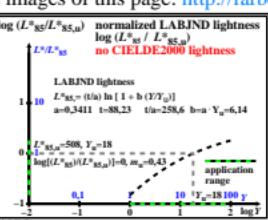
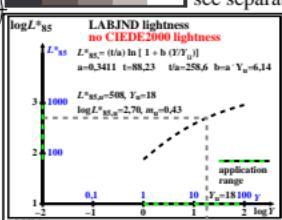


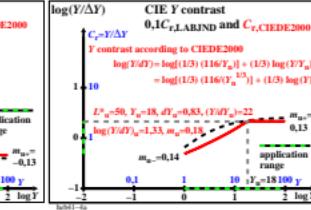
<http://farbe.li.tu-berlin.de/heb4/heb4l0n1.txt> /ps; only vector graphic VG; start output  
see separate images of this page: <http://farbe.li.tu-berlin.de/heb4/heb4.htm>



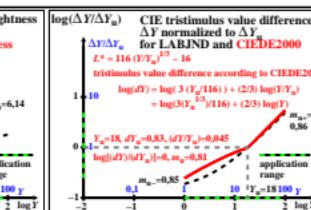
see similar files of the whole serie: <http://farbe.li.tu-berlin.de/hebs.htm> Or <http://color.li.tu-berlin.de>



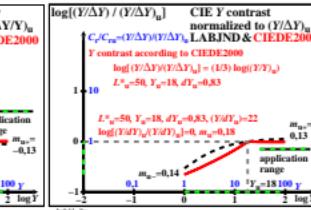
ΔY = 116/(Y\_u)<sup>13/16</sup> - 16



$\log(dY/Y) = \log(116/(Y_u)^{13/16}) + (1/3)\log(Y)$

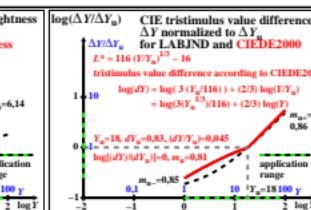
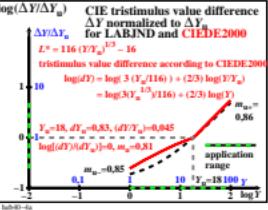
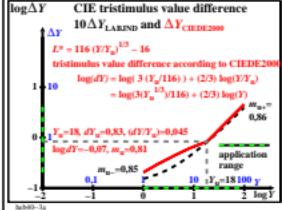


$\log((L^*_{85}/L^*_{85u})(L^*_{85u})) = 116/(Y_u)^{13/16} - 16$

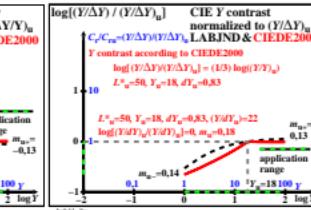


$\log(dY) = \log(116/(Y_u)^{13/16}) + (2/3)\log(Y_u)$

application range

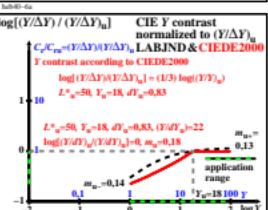
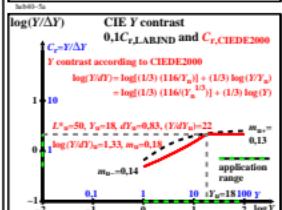


$\log((L^*_{85}/L^*_{85u})(L^*_{85u})) = 116/(Y_u)^{13/16} - 16$



$\log(dY) = \log(116/(Y_u)^{13/16}) + (2/3)\log(Y_u)$

application range



application range

TUB-test chart heb4; Comparison of the LABJND and the CIEDE2000 colour-difference formula  
 $\log[\text{lightness } L^*, \text{ threshold } \Delta Y, \text{ sensitivity } \Delta Y/Y, \text{ contrast } Y/\Delta Y, \text{ unnormalized and normalized}]$