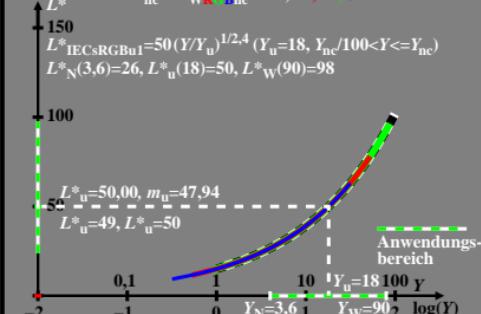


IECsRGBu1-Normhelligkeit L^*

$Y_{nc} = L^*_{WRGBnc} = 100, 52, 87, 31$

$$L^*_{IECsRGBu1} = 50(Y/Y_u)^{1/2,4} \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_N(3,6)=26, L^*_u(18)=50, L^*_W(90)=98$$



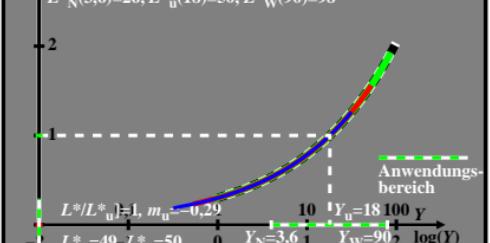
BGW11-1A

L^*/L^*_u IECsRGBu1 relative Normhelligkeit L^*/L^*_u

$$Y_{nc} = L^*_{WRGBnc} = 100, 52, 87, 31$$

$$L^*_{IECsRGBu1} = 50(Y/Y_u)^{1/2,4} \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_N(3,6)=26, L^*_u(18)=50, L^*_W(90)=98$$



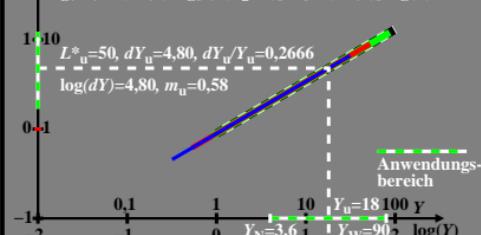
BGW11-2A

$\log(\Delta Y)$ IECsRGBu1 Normfarbwertdifferenz

$Y_{nc} = L^*_{WRGBnc} = 100, 52, 87, 31$

$$L^*_{IECsRGBu1} = 50(Y/Y_u)^{1/2,4} \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY) = (1/2,4) \log[2,4(Y_u/50)] + [1-(1/2,4)] \log(Y)$$



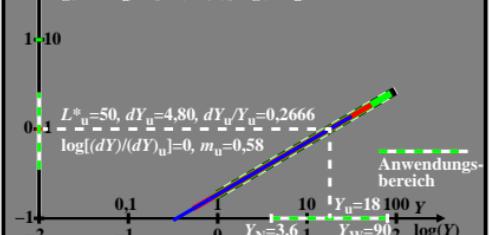
BGW11-3A

$\log(\Delta Y/Y_u)$ IECsRGBu1 relative Normfarbwertdifferenz

$Y_{nc} = L^*_{WRGBnc} = 100, 52, 87, 31$

$$L^*_{IECsRGBu1} = 50(Y/Y_u)^{1/2,4} \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY/Y_u) = [1-(1/2,4)] \log(Y/Y_u)$$



BGW11-4A

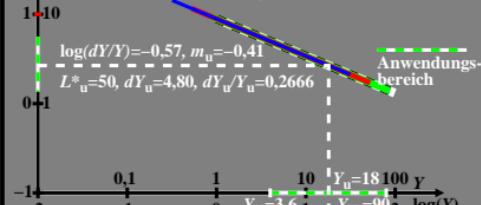
$\log(\Delta Y/Y)$ IECsRGBu1 Normfarbwertempfindlichkeit

$S_r=(\Delta Y/Y)$ $Y_{nc} = L^*_{WRGBnc} = 100, 52, 87, 31$

$$L^*_{IECsRGBu1} = 50(Y/Y_u)^{1/2,4} \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY/Y) = \log[2,4(Y_u/50)] - (1/2,4) \log(Y/Y_u)$$

$$= (1/2,4) \log[2,4(Y_u/50)] - (1/2,4) \log(Y)$$



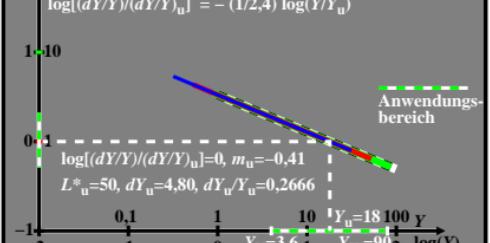
BGW11-5A

$\log[(\Delta Y)/(\Delta Y/Y_u)]$ IECsRGBu1 relative Normfarbwertempfindlichkeit

$S_r/S_{ru}=(\Delta Y)/(\Delta Y/Y_u)$ $Y_{nc} = L^*_{WRGBnc} = 100, 52, 87, 31$

$$L^*_{IECsRGBu1} = 50(Y/Y_u)^{1/2,4} \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log[(dY)/(dY/Y_u)] = -(1/2,4) \log(Y/Y_u)$$



BGW11-6A

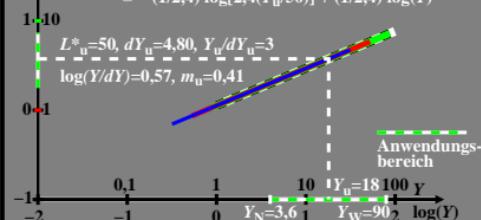
$\log(Y/\Delta Y)$ IECsRGBu1 Normfarbwertkontrast

$C_r=(Y/\Delta Y)$ $Y_{nc} = L^*_{WRGBnc} = 100, 52, 87, 31$

$$L^*_{IECsRGBu1} = 50(Y/Y_u)^{1/2,4} \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(Y/\Delta Y) = -\log[2,4(Y_u/50)] + (1/2,4) \log(Y/Y_u)$$

$$= -(1/2,4) \log[2,4(Y_u/50)] + (1/2,4) \log(Y)$$



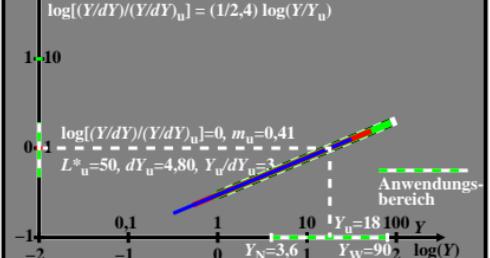
BGW11-7A

$\log[(Y/\Delta Y)/(Y/\Delta Y)_u]$ IECsRGBu1 relativer Normfarbwertkontrast

$C_r/C_{ru}=(Y/\Delta Y)/(Y/\Delta Y_u)$ $Y_{nc} = L^*_{WRGBnc} = 100, 52, 87, 31$

$$L^*_{IECsRGBu1} = 50(Y/Y_u)^{1/2,4} \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log[(Y/\Delta Y)/(Y/\Delta Y_u)] = (1/2,4) \log(Y/Y_u)$$



BGW11-8A

BGW11-7N