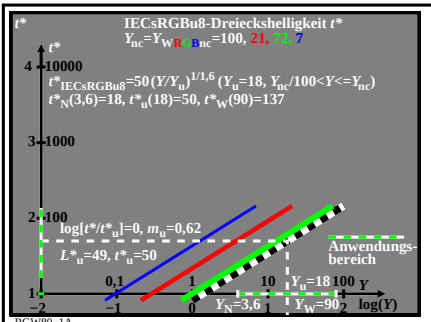
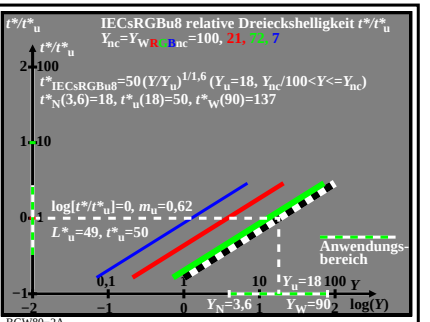
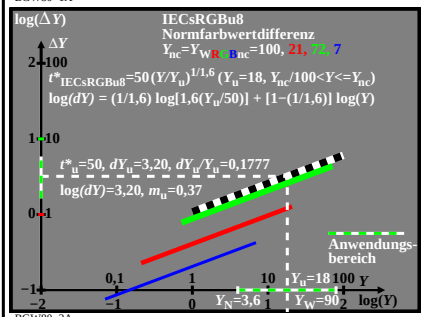
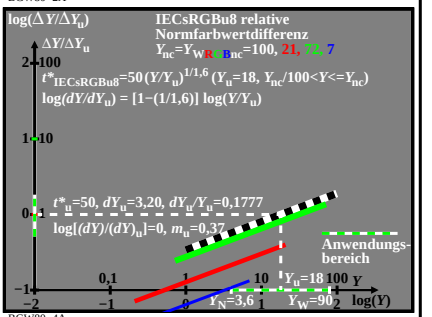
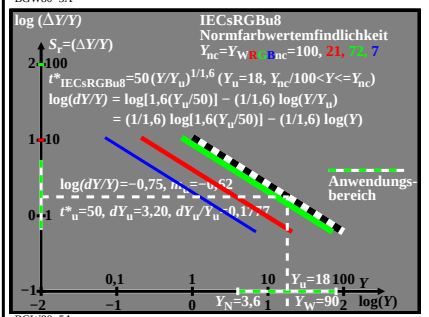
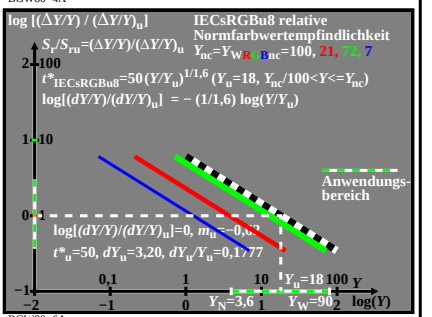

t*
IECsRGBu8-Dreieckshelligkeit t*
Ync=YWRGBnc=100, 21, 72, 7
t*IECsRGBu8=50(Y/Yu)1/1,6 (Yu=18, Ync/100<Y<=Ync)
t*N(3,6)=18, t*u(18)=50, t*W(90)=137
log[t*/t*u]=0, mu=0,62
L*u=49, t*u=50
Anwendungs-
bereich
YN=3,6
YW=90
log(Y)
BGW80−1A

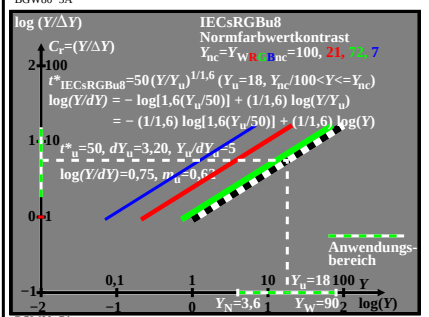

t*/t*u
IECsRGBu8 relative Dreieckshelligkeit t*/t*u
Ync=YWRGBnc=100, 21, 72, 7
t*IECsRGBu8=50(Y/Yu)1/1,6 (Yu=18, Ync/100<Y<=Ync)
t*N(3,6)=18, t*u(18)=50, t*W(90)=137
log[t*/t*u]=0, mu=0,62
L*u=49, t*u=50
Anwendungs-
bereich
YN=3,6
YW=90
log(Y)
BGW80−2A

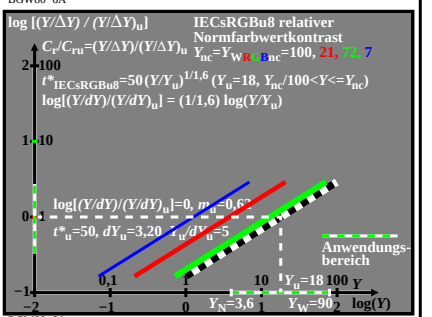

log(ΔY)
IECsRGBu8
Normfarbwertdifferenz
Ync=YWRGBnc=100, 21, 72, 7
t*IECsRGBu8=50(Y/Yu)1/1,6 (Yu=18, Ync/100<Y<=Ync)
log(dY) = (1/1,6) log[1,6(Yu/50)] + [1−(1/1,6)] log(Y)
t*u=50, dYu=3,20, dYu/Yu=0,1777
log(dY)=3,20, mu=0,37
Anwendungs-
bereich
YN=3,6
YW=90
log(Y)
BGW80−3A


log(ΔY/ΔYu)
IECsRGBu8 relative
Normfarbwertdifferenz
Ync=YWRGBnc=100, 21, 72, 7
t*IECsRGBu8=50(Y/Yu)1/1,6 (Yu=18, Ync/100<Y<=Ync)
log(dY/dYu) = [1−(1/1,6)] log(Y/Yu)
t*u=50, dYu=3,20, dYu/Yu=0,1777
log[(dY)/(dY)u]=0, mu=0,37
Anwendungs-
bereich
YN=3,6
YW=90
log(Y)
BGW80−4A


log (ΔY/Y)
IECsRGBu8
Normfarbwertemfindlichkeit
Ync=YWRGBnc=100, 21, 72, 7
Sr=(ΔY/Y)
t*IECsRGBu8=50(Y/Yu)1/1,6 (Yu=18, Ync/100<Y<=Ync)
log(dY/Y) = log[1,6(Yu/50)] − (1/1,6) log(Y/Yu)
= (1/1,6) log[1,6(Yu/50)] − (1/1,6) log(Y)
log(dY/Y)=−0,75, mu=−0,62
t*u=50, dYu=3,20, dYu/Yu=0,1777
Anwendungs-
bereich
YN=3,6
YW=90
log(Y)
BGW80−5A


log [(ΔY/Y) / (ΔY/Y)u]
IECsRGBu8 relative
Normfarbwertempfindlichkeit
Ync=YWRGBnc=100, 21, 72, 7
Sr/Sru=(ΔY/Y)/(ΔY/Y)u
t*IECsRGBu8=50(Y/Yu)1/1,6 (Yu=18, Ync/100<Y<=Ync)
log[(dY/Y)/(dY/Y)u] = − (1/1,6) log(Y/Yu)
log[(dY/Y)/(dY/Y)u]=0, mu=−0,62
t*u=50, dYu=3,20, dYu/Yu=0,1777
Anwendungs-
bereich
YN=3,6
YW=90
log(Y)
BGW80−6A


log (Y/ΔY)
IECsRGBu8
Normfarbwertkontrast
Ync=YWRGBnc=100, 21, 72, 7
Cr=(Y/ΔY)
t*IECsRGBu8=50(Y/Yu)1/1,6 (Yu=18, Ync/100<Y<=Ync)
log(Y/dY) = − log[1,6(Yu/50)] + (1/1,6) log(Y/Yu)
= − (1/1,6) log[1,6(Yu/50)] + (1/1,6) log(Y)
t*u=50, dYu=3,20, Yu/dYu=5
log(Y/dY)=0,75, mu=0,62
Anwendungs-
bereich
YN=3,6
YW=90
log(Y)
BGW80−7A


log [(Y/ΔY) / (Y/ΔY)u]
IECsRGBu8 relativer
Normfarbwertkontrast
Ync=YWRGBnc=100, 21, 72, 7
Cr/Cru=(Y/ΔY)/(Y/ΔY)u
t*IECsRGBu8=50(Y/Yu)1/1,6 (Yu=18, Ync/100<Y<=Ync)
log[(Y/dY)/(Y/dY)u] = (1/1,6) log(Y/Yu)
log[(Y/dY)/(Y/dY)u]=0, mu=−0,62
t*u=50, dYu=3,20, Yu/dYu=5
Anwendungs-
bereich
YN=3,6
YW=90
log(Y)
BGW80−8A

BGW80−7N