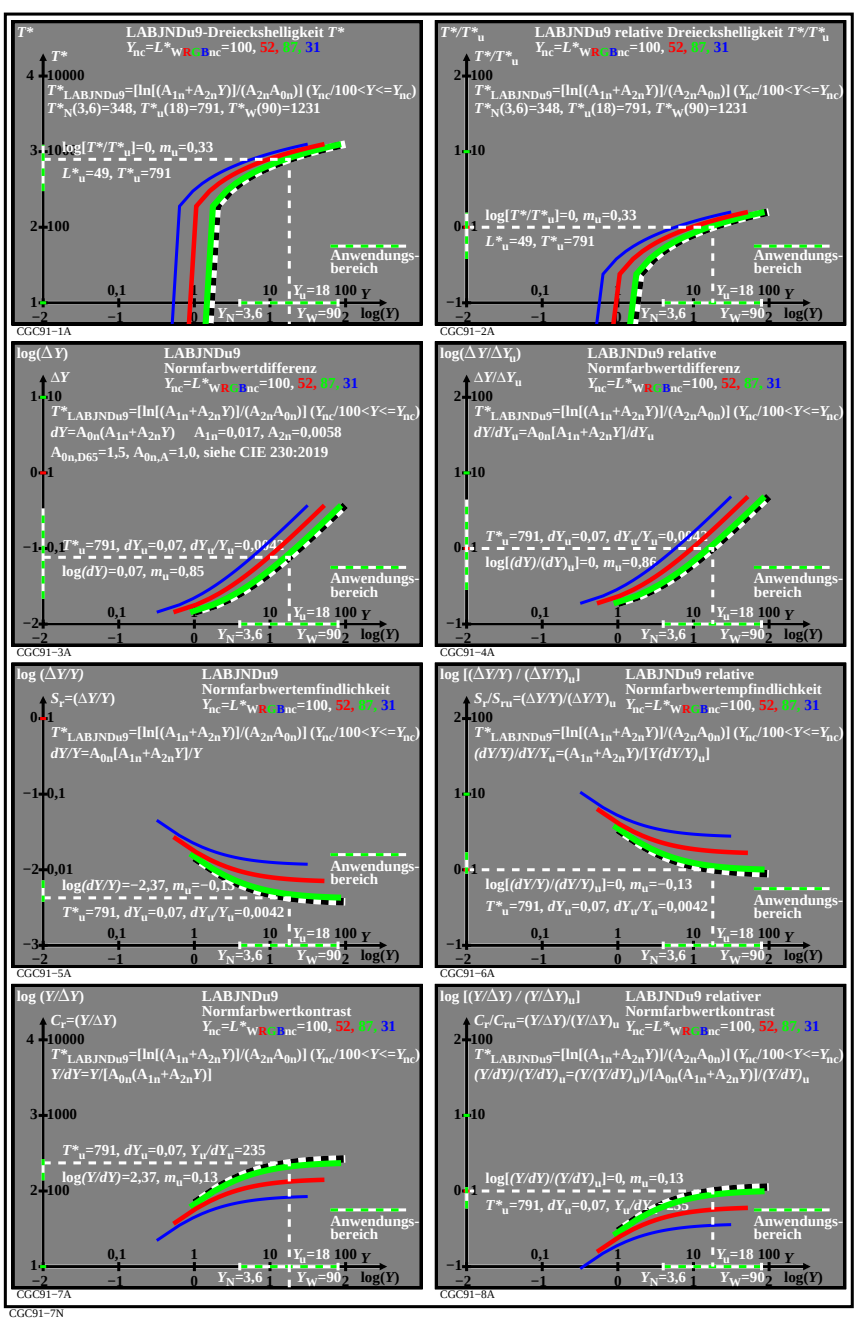
T*
LABJNDu9-Dreieckshelligkeit T*
Ync=L*wRGBnc=100, 52, 87, 31
T*LABJNDu9=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
T*N(3,6)=348, T*u(18)=791, T*W(90)=1231
log[T*/T*u]=0, mu=0,33
L*u=49, T*u=791
Anwendungs-bereich
Yu=18
YW=90
YN=3,6
Y
log(Y)
CGC91-1A
T*/T*u
LABJNDu9 relative Dreieckshelligkeit T*/T*u
Ync=L*wRGBnc=100, 52, 87, 31
T*LABJNDu9=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
T*N(3,6)=348, T*u(18)=791, T*W(90)=1231
log[T*/T*u]=0, mu=0,33
L*u=49, T*u=791
Anwendungs-bereich
CGC91-2A
log(ΔY)
LABJNDu9
Normfarbwertdifferenz
Ync=L*wRGBnc=100, 52, 87, 31
T*LABJNDu9=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
dY=A0n(A1n+A2nY) A1n=0,017, A2n=0,0058
A0n,D65=1,5, A0n,A=1,0, siehe CIE 230:2019
T*u=791, dYu=0,07, dYu/Yu=0,0042
log(dY)=0,07, mu=0,85
Anwendungs-bereich
CGC91-3A
log(ΔY/ΔYu)
LABJNDu9 relative
Normfarbwertdifferenz
Ync=L*wRGBnc=100, 52, 87, 31
T*LABJNDu9=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
dY/dYu=A0n[A1n+A2nY]/dYu
T*u=791, dYu=0,07, dYu/Yu=0,0042
log[(dY)/(dY)u]=0, mu=0,86
Anwendungs-bereich
CGC91-4A
log (ΔY/Y)
LABJNDu9
Normfarbwertempfindlichkeit
Ync=L*wRGBnc=100, 52, 87, 31
Sr=(ΔY/Y)
T*LABJNDu9=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
dY/Y=A0n[A1n+A2nY]/Y
log(dY/Y)=−2,37, mu=−0,13
T*u=791, dYu=0,07, dYu/Yu=0,0042
Anwendungs-bereich
CGC91-5A
log [(ΔY/Y) / (ΔY/Y)u]
LABJNDu9 relative
Normfarbwertempfindlichkeit
Ync=L*wRGBnc=100, 52, 87, 31
Sr/Sru=(ΔY/Y)/(ΔY/Y)u
T*LABJNDu9=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
(dY/Y)/dY/Yu=(A1n+A2nY)/[Y(dY/Y)u]
log[(dY/Y)/(dY/Y)u]=0, mu=−0,13
T*u=791, dYu=0,07, dYu/Yu=0,0042
Anwendungs-bereich
CGC91-6A
log (Y/ΔY)
LABJNDu9
Normfarbwertkontrast
Ync=L*wRGBnc=100, 52, 87, 31
Cr=(Y/ΔY)
T*LABJNDu9=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
Y/dY=Y/[A0n(A1n+A2nY)]
T*u=791, dYu=0,07, Yu/dYu=235
log(Y/dY)=2,37, mu=0,13
Anwendungs-bereich
CGC91-7A
log [(Y/ΔY) / (Y/ΔY)u]
LABJNDu9 relativer
Normfarbwertkontrast
Ync=L*wRGBnc=100, 52, 87, 31
Cr/Cru=(Y/ΔY)/(Y/ΔY)u
T*LABJNDu9=[ln[(A1n+A2nY)]/(A2nA0n)] (Ync/100<Y<=Ync)
(Y/dY)/(Y/dY)u=(Y/(Y/dY)u)/[A0n(A1n+A2nY)]/(Y/dY)u
log[(Y/dY)/(Y/dY)u]=0, mu=0,13
T*u=791, dYu=0,07, Yu/dYu=235
Anwendungs-bereich
CGC91-8A
CGC91−7N