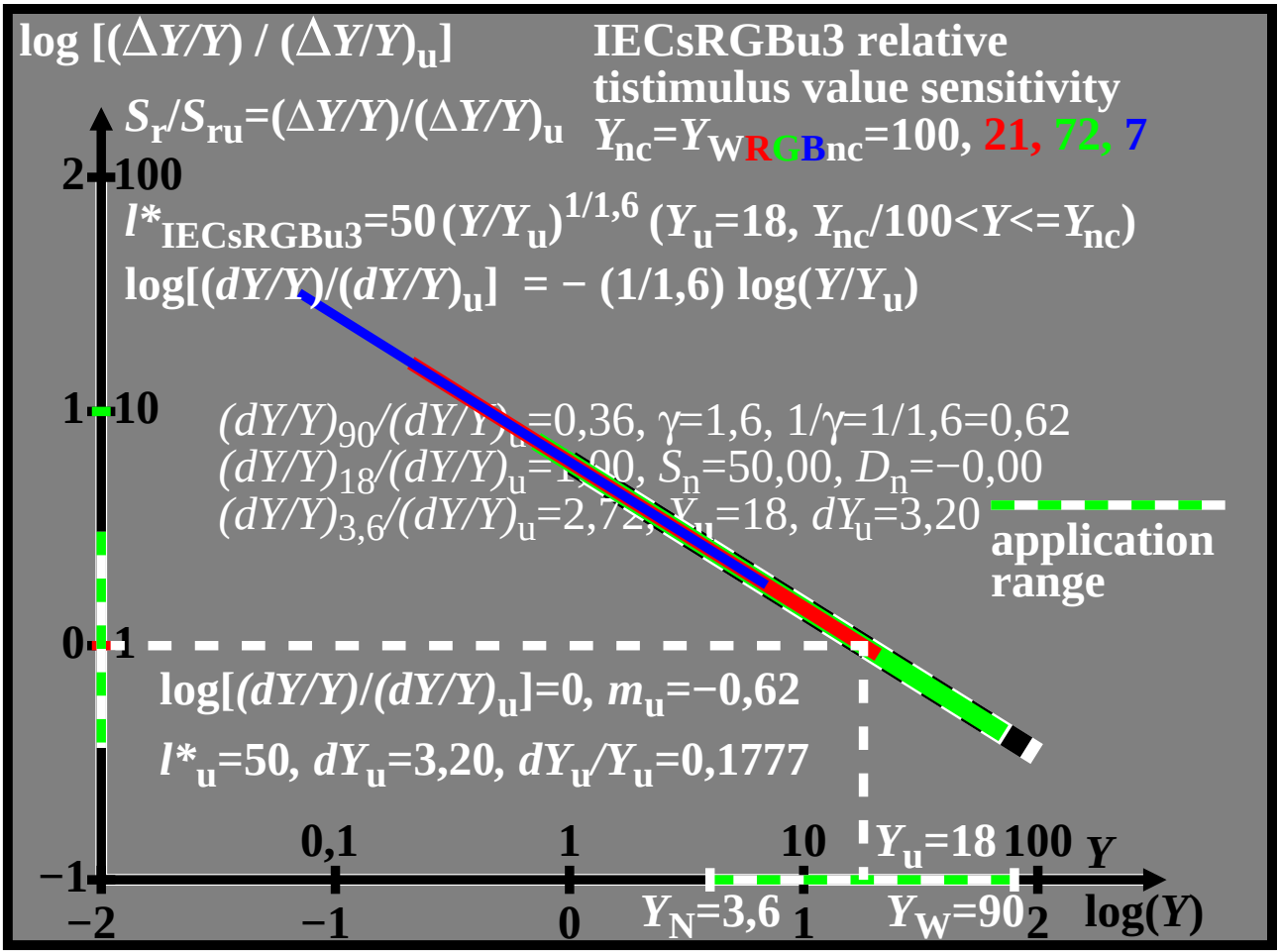
log [(ΔY/Y) / (ΔY/Y)u]
IECsRGBu3 relative tistimulus value sensitivity
Sr/Sru=(ΔY/Y)/(ΔY/Y)u
Ync=YWRGBnc=100, 21, 72, 7
2
100
l*IECsRGBu3=50 (Y/Yu)1/1,6 (Yu=18, Ync/100<Y<=Ync)
log[(dY/Y)/(dY/Y)u] = − (1/1,6) log(Y/Yu)
1
10
(dY/Y)90/(dY/Y)u=0,36, γ=1,6, 1/γ=1/1,6=0,62
(dY/Y)18/(dY/Y)u=1,00, Sn=50,00, Dn=−0,00
(dY/Y)3,6/(dY/Y)u=2,72, Yu=18, dYu=3,20
application range
0
1
log[(dY/Y)/(dY/Y)u]=0, mu=−0,62
l*u=50, dYu=3,20, dYu/Yu=0,1777
0,1
1
10
Yu=18
100
Y
−1
−2
−1
0
YN=3,6
1
YW=90
2
log(Y)