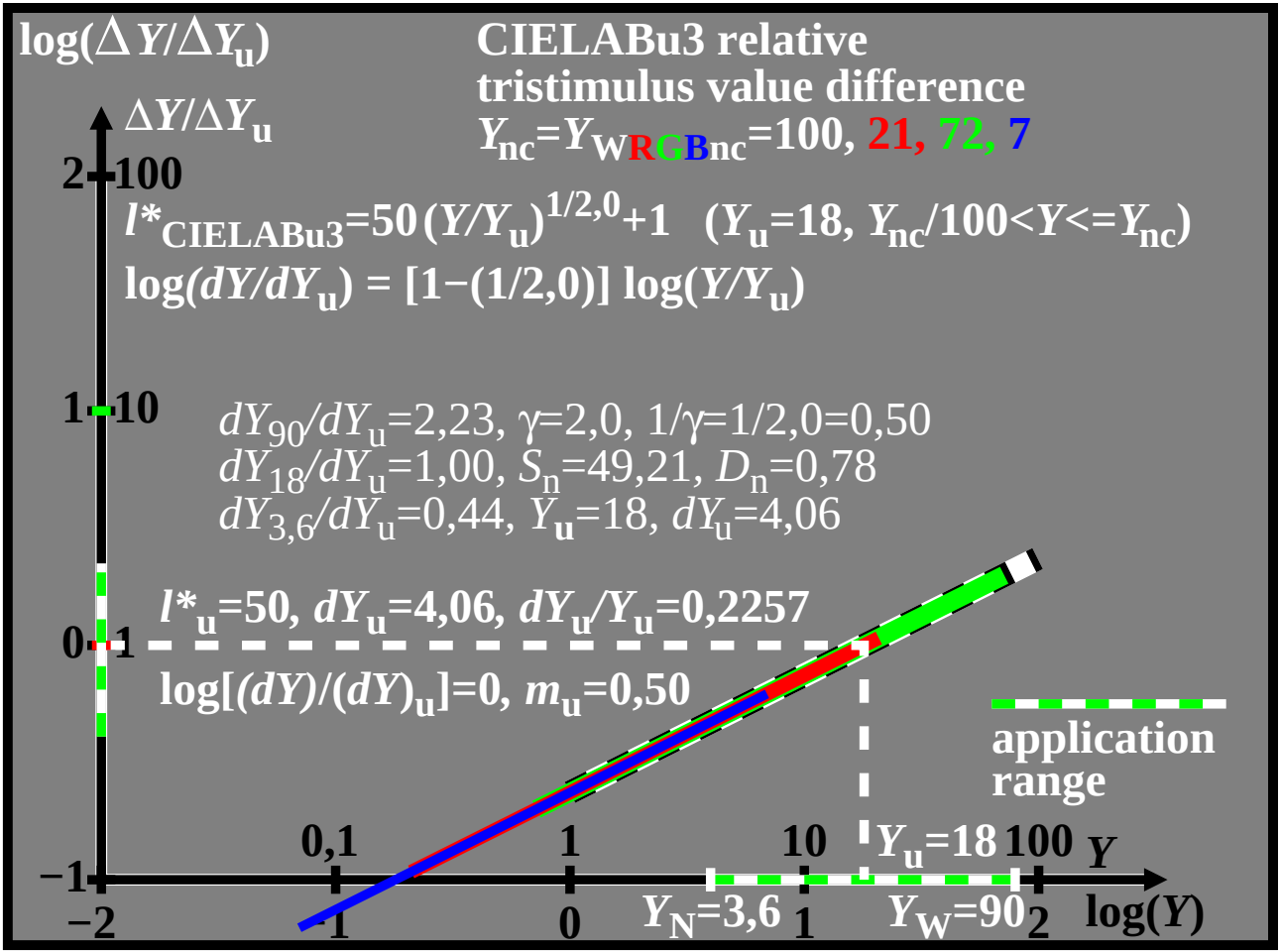
log(ΔY/ΔYu)
CIELABu3 relative
tristimulus value difference
Ync=YWRGBnc=100, 21, 72, 7
ΔY/ΔYu
2 100
l*CIELABu3=50 (Y/Yu)1/2,0+1 (Yu=18, Ync/100<Y<=Ync)
log(dY/dYu) = [1−(1/2,0)] log(Y/Yu)
1 10
dY90/dYu=2,23, γ=2,0, 1/γ=1/2,0=0,50
dY18/dYu=1,00, Sn=49,21, Dn=0,78
dY3,6/dYu=0,44, Yu=18, dYu=4,06
l*u=50, dYu=4,06, dYu/Yu=0,2257
0 1
log[(dY)/(dY)u]=0, mu=0,50
application
range
0,1
1
10
Yu=18
100
Y
−1
−2
−1
0
YN=3,6
1
YW=90
2
log(Y)

BEX30−4A