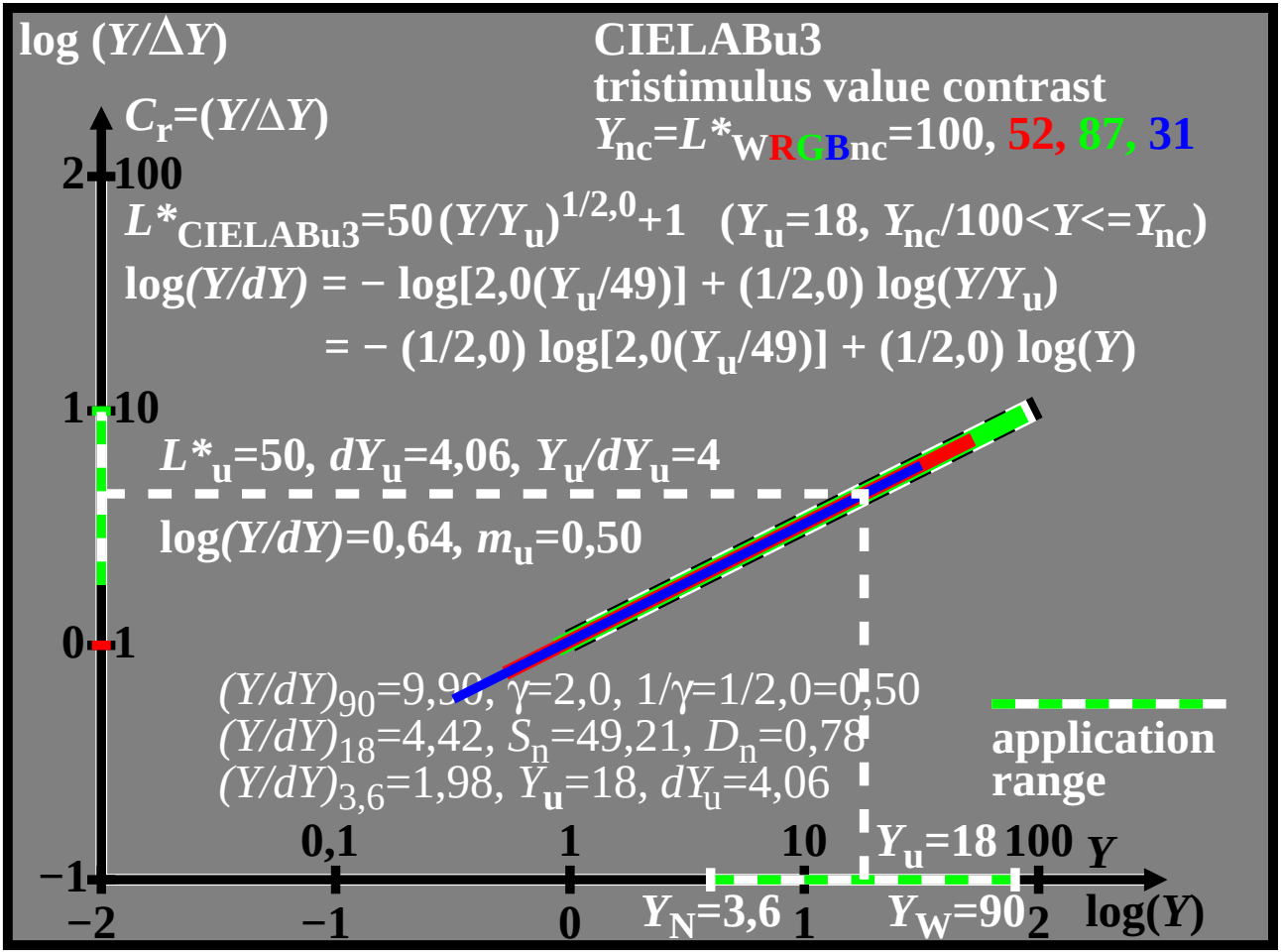
log (Y/ΔY)
CIELABu3
tristimulus value contrast
Ync=L*WRGBnc=100, 52, 87, 31
Cr=(Y/ΔY)
2 100
L*CIELABu3=50 (Y/Yu)1/2,0+1 (Yu=18, Ync/100<Y<=Ync)
log(Y/dY) = − log[2,0(Yu/49)] + (1/2,0) log(Y/Yu)
= − (1/2,0) log[2,0(Yu/49)] + (1/2,0) log(Y)
1 10
L*u=50, dYu=4,06, Yu/dYu=4
log(Y/dY)=0,64, mu=0,50
0 1
(Y/dY)90=9,90, γ=2,0, 1/γ=1/2,0=0,50
(Y/dY)18=4,42, Sn=49,21, Dn=0,78
(Y/dY)3,6=1,98, Yu=18, dYu=4,06
application range
0,1
1
10
Yu=18
100
Y
−1
−2
−1
0
YN=3,6
1
YW=90
2
log(Y)

BEX31−7A