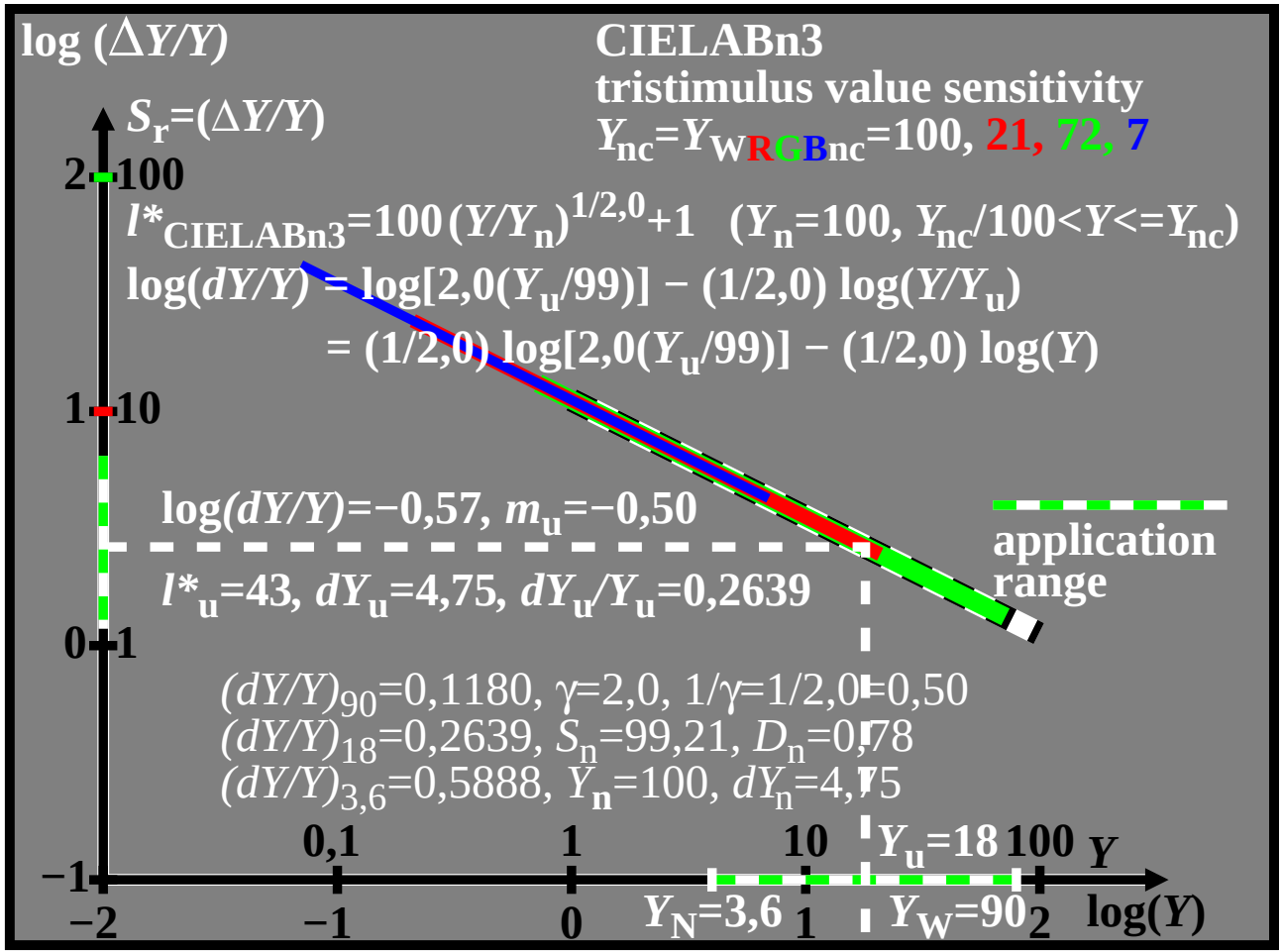
log (ΔY/Y)
CIELABn3
tristimulus value sensitivity
Ync=YWRGBnc=100, 21, 72, 7
Sr=(ΔY/Y)
2 100
l*CIELABn3=100 (Y/Yn)1/2,0+1 (Yn=100, Ync/100<Y<=Ync)
log(dY/Y) = log[2,0(Yu/99)] − (1/2,0) log(Y/Yu)
= (1/2,0) log[2,0(Yu/99)] − (1/2,0) log(Y)
1 10
log(dY/Y)=−0,57, mu=−0,50
application range
l*u=43, dYu=4,75, dYu/Yu=0,2639
0 1
(dY/Y)90=0,1180, γ=2,0, 1/γ=1/2,0=0,50
(dY/Y)18=0,2639, Sn=99,21, Dn=0,78
(dY/Y)3,6=0,5888, Yn=100, dYn=4,75
0,1
1
10
Yu=18
100
Y
−1
YN=3,6
YW=90
log(Y)
−2
−1
0
1
2

BEZ30−5A