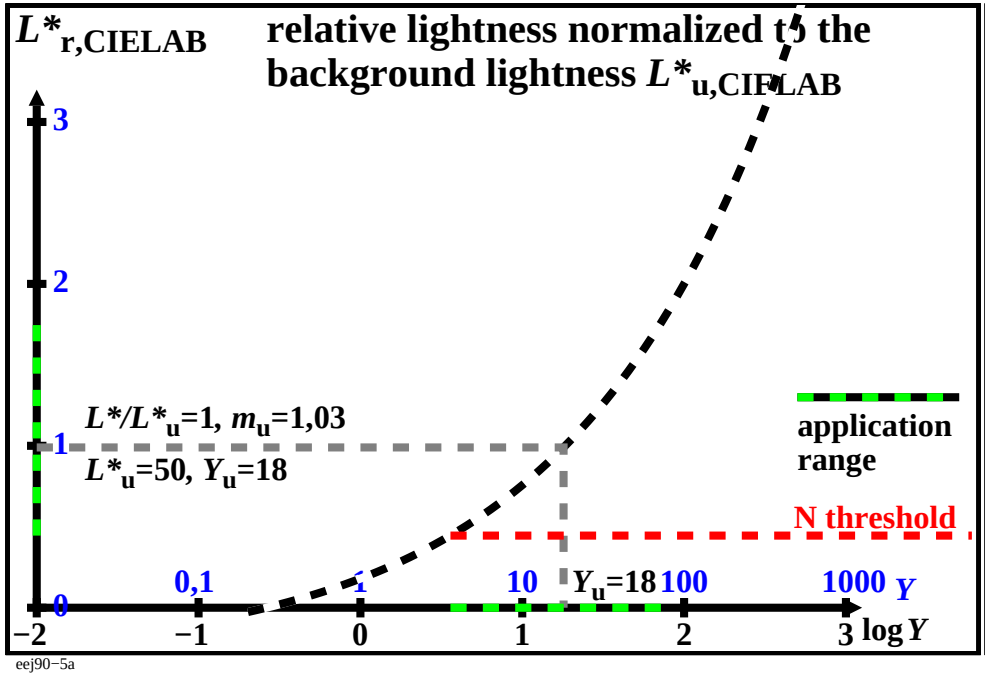
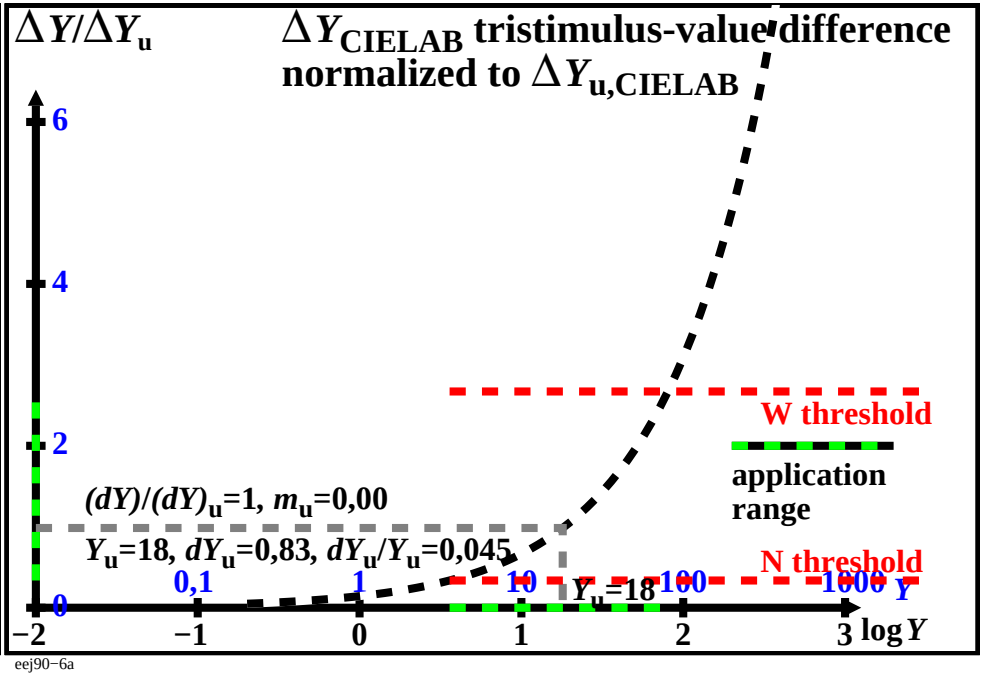
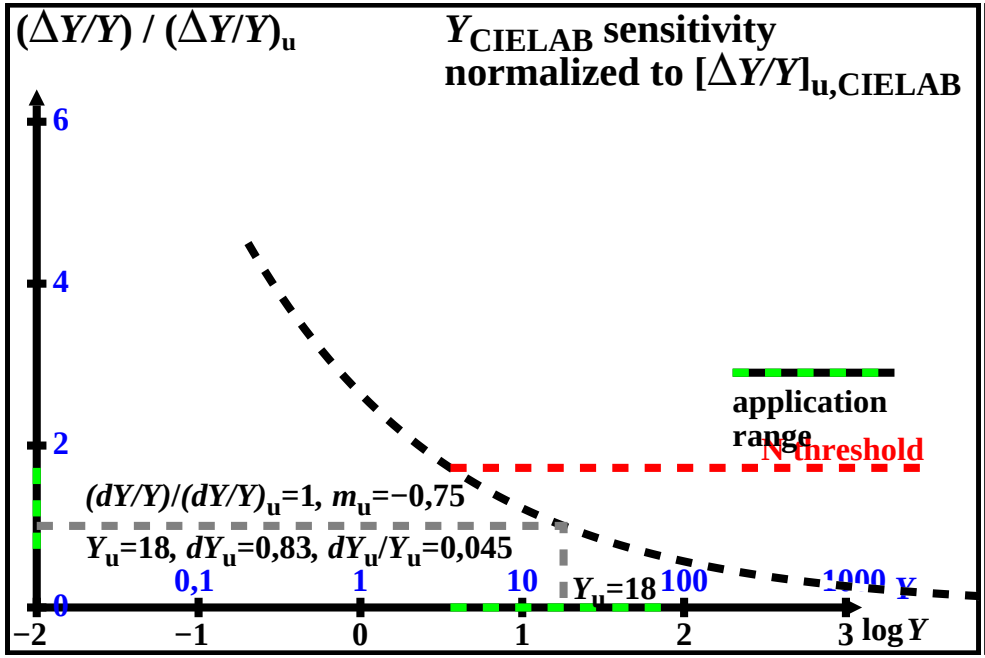
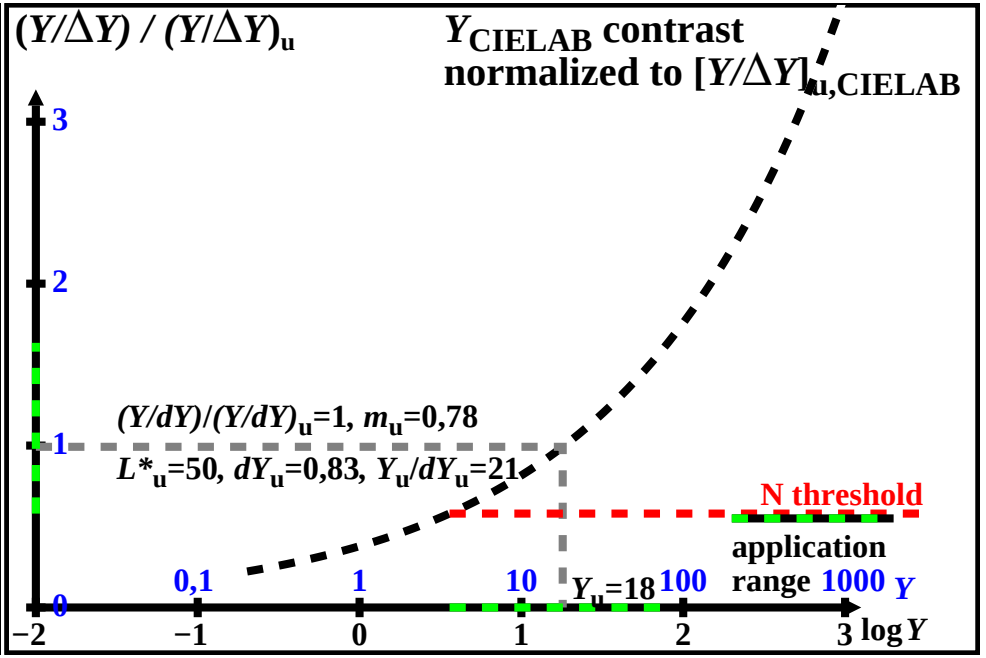

L*r,CIELAB
relative lightness normalized to the background lightness L*u,CIELAB
L*/L*u=1, mu=1,03
L*u=50, Yu=18
application range
N threshold
Yu=18
0,1
1
10
100
1000
Y
log Y
eej90−5a


ΔY/ΔYu
ΔYCIELAB tristimulus-value difference normalized to ΔYu,CIELAB
W threshold
application range
(dY)/(dY)u=1, mu=0,00
Yu=18, dYu=0,83, dYu/Yu=0,045
N threshold
Yu=18
0,1
1
10
100
1000
Y
log Y
eej90−6a


(ΔY/Y) / (ΔY/Y)u
YCIELAB sensitivity normalized to [ΔY/Y]u,CIELAB
application range
N threshold
(dY/Y)/(dY/Y)u=1, mu=−0,75
Yu=18, dYu=0,83, dYu/Yu=0,045
Yu=18
0,1
1
10
100
1000
Y
log Y
eej90−7a


(Y/ΔY) / (Y/ΔY)u
YCIELAB contrast normalized to [Y/ΔY]u,CIELAB
(Y/dY)/(Y/dY)u=1, mu=0,78
L*u=50, dYu=0,83, Yu/dYu=21
N threshold
application range
Yu=18
0,1
1
10
100
1000
Y
log Y
eej90−8a

eej90−7n