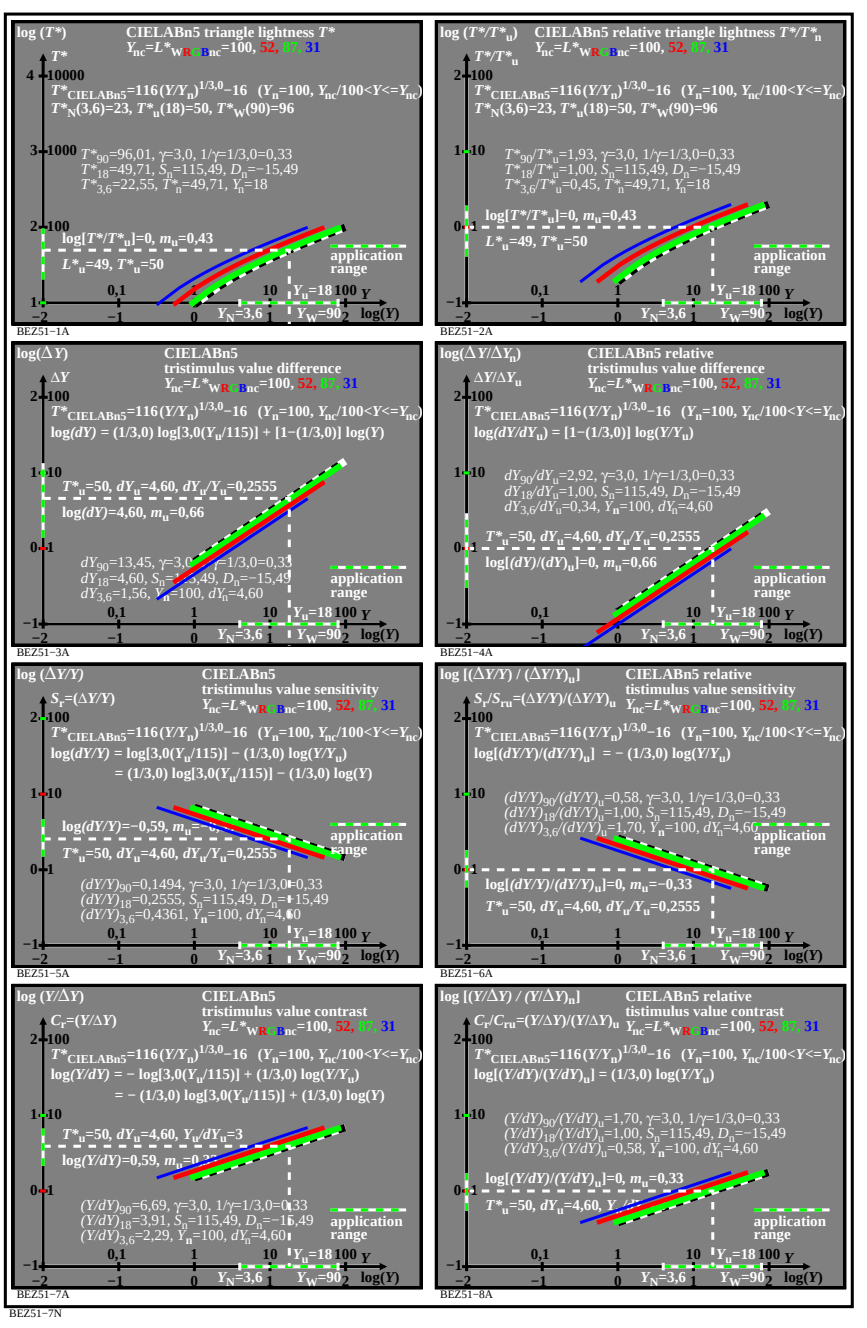
log (T*) CIELABn5 triangle lightness T*
Y_nc=L*_WR_Bnc=100, 52, 87, 31
T*
T*_CIELABn5=116(Y/Y_n)^1,3/0−16 (Y_n=100, Y_nc/100<Y<=Y_nc)
T*_N(3,6)=23, T*_u(18)=50, T*_W(90)=96
T*_90=96,01, γ=3,0, 1/γ=1/3,0=0,33
T*_18=49,71, S_n=115,49, D_n=−15,49
T*_3,6=22,55, T*_n=49,71, Y_n=18
log[T*/T*_u]=0, m_u=0,43
L*_u=49, T*_u=50
application range
Y_n=18 100 Y
Y_N=3,6 1 Y_W=90 2 log(Y)
BEZ51−1A
log (T*/T*_u) CIELABn5 relative triangle lightness T*/T*_u
Y_nc=L*_WR_Bnc=100, 52, 87, 31
T*/T*_u
T*_CIELABn5=116(Y/Y_n)^1,3/0−16 (Y_n=100, Y_nc/100<Y<=Y_nc)
T*_N(3,6)=23, T*_u(18)=50, T*_W(90)=96
T*_90/T*_u=1,93, γ=3,0, 1/γ=1/3,0=0,33
T*_18/T*_u=1,00, S_n=115,49, D_n=−15,49
T*_3,6/T*_u=0,45, T*_n=49,71, Y_n=18
log[T*/T*_u]=0, m_u=0,43
L*_u=49, T*_u=50
application range
Y_n=18 100 Y
Y_N=3,6 1 Y_W=90 2 log(Y)
BEZ51−2A
log(ΔY) CIELABn5 tristimulus value difference
Y_nc=L*_WR_Bnc=100, 52, 87, 31
ΔY
T*_CIELABn5=116(Y/Y_n)^1,3/0−16 (Y_n=100, Y_nc/100<Y<=Y_nc)
log(dY) = (1/3,0) log[3,0(Y_u/115)] + [1−(1/3,0)] log(Y)
T*_u=50, dY_u=4,60, dY_u/Y_n=0,2555
log(dY)=4,60, m_u=0,66
dY_90=13,45, γ=3,0, 1/γ=1/3,0=0,33
dY_18=4,60, S_n=115,49, D_n=−15,49
dY_3,6=1,56, Y_n=100, dY_n=4,60
application range
Y_n=18 100 Y
Y_N=3,6 1 Y_W=90 2 log(Y)
BEZ51−3A
log(ΔY/ΔY_u) CIELABn5 relative tristimulus value difference
Y_nc=L*_WR_Bnc=100, 52, 87, 31
ΔY/ΔY_u
T*_CIELABn5=116(Y/Y_n)^1,3/0−16 (Y_n=100, Y_nc/100<Y<=Y_nc)
log(dY/dY_u) = [1−(1/3,0)] log(Y/Y_u)
dY_90/dY_u=2,92, γ=3,0, 1/γ=1/3,0=0,33
dY_18/dY_u=1,00, S_n=115,49, D_n=−15,49
dY_3,6/dY_u=0,34, Y_n=100, dY_n=4,60
T*_u=50, dY_u=4,60, dY_u/Y_n=0,2555
log[(dY)/(dY)_u]=0, m_u=0,66
application range
Y_n=18 100 Y
Y_N=3,6 1 Y_W=90 2 log(Y)
BEZ51−4A
log (ΔY/Y) CIELABn5 tristimulus value sensitivity
Y_nc=L*_WR_Bnc=100, 52, 87, 31
S_r=(ΔY/Y)
T*_CIELABn5=116(Y/Y_n)^1,3/0−16 (Y_n=100, Y_nc/100<Y<=Y_nc)
log(dY/Y) = log[3,0(Y_u/115)] − (1/3,0) log(Y/Y_u)
= (1/3,0) log[3,0(Y_u/115)] − (1/3,0) log(Y)
log(dY/Y)=−0,59, m_u=−0,
T*_u=50, dY_u=4,60, dY_u/Y_n=0,2555
(dY/Y)_90=0,1494, γ=3,0, 1/γ=1/3,0=0,33
(dY/Y)_18=0,2555, S_n=115,49, D_n=−15,49
(dY/Y)_3,6=0,4361, Y_n=100, dY_n=4,60
application range
Y_n=18 100 Y
Y_N=3,6 1 Y_W=90 2 log(Y)
BEZ51−5A
log [(ΔY/Y) / (ΔY/Y)_u] CIELABn5 relative tristimulus value sensitivity
Y_nc=L*_WR_Bnc=100, 52, 87, 31
S_r/S_ru=(ΔY/Y)/(ΔY/Y)_u
T*_CIELABn5=116(Y/Y_n)^1,3/0−16 (Y_n=100, Y_nc/100<Y<=Y_nc)
log[(dY/Y)/(dY/Y)_u] = − (1/3,0) log(Y/Y_u)
(dY/Y)_90/(dY/Y)_u=0,58, γ=3,0, 1/γ=1/3,0=0,33
(dY/Y)_18/(dY/Y)_u=1,00, S_n=115,49, D_n=−15,49
(dY/Y)_3,6/(dY/Y)_u=1,70, Y_n=100, dY_n=4,60
log[(dY/Y)/(dY/Y)_u]=0, m_u=−0,33
T*_u=50, dY_u=4,60, dY_u/Y_n=0,2555
application range
Y_n=18 100 Y
Y_N=3,6 1 Y_W=90 2 log(Y)
BEZ51−6A
log (Y/ΔY) CIELABn5 tristimulus value contrast
Y_nc=L*_WR_Bnc=100, 52, 87, 31
C_r=(Y/ΔY)
T*_CIELABn5=116(Y/Y_n)^1,3/0−16 (Y_n=100, Y_nc/100<Y<=Y_nc)
log(Y/dY) = − log[3,0(Y_u/115)] + (1/3,0) log(Y/Y_u)
= − (1/3,0) log[3,0(Y_u/115)] + (1/3,0) log(Y)
T*_u=50, dY_u=4,60, Y_u/dY_u=3
log(Y/dY)=0,59, m_u=0,33
(Y/dY)_90=6,69, γ=3,0, 1/γ=1/3,0=0,33
(Y/dY)_18=3,91, S_n=115,49, D_n=−15,49
(Y/dY)_3,6=2,29, Y_n=100, dY_n=4,60
application range
Y_n=18 100 Y
Y_N=3,6 1 Y_W=90 2 log(Y)
BEZ51−7A
log [(Y/ΔY) / (Y/ΔY)_u] CIELABn5 relative tristimulus value contrast
Y_nc=L*_WR_Bnc=100, 52, 87, 31
C_r/C_ru=(Y/ΔY)/(Y/ΔY)_u
T*_CIELABn5=116(Y/Y_n)^1,3/0−16 (Y_n=100, Y_nc/100<Y<=Y_nc)
log[(Y/dY)/(Y/dY)_u] = (1/3,0) log(Y/Y_u)
(Y/dY)_90/(Y/dY)_u=1,70, γ=3,0, 1/γ=1/3,0=0,33
(Y/dY)_18/(Y/dY)_u=1,00, S_n=115,49, D_n=−15,49
(Y/dY)_3,6/(Y/dY)_u=0,58, Y_n=100, dY_n=4,60
log[(Y/dY)/(Y/dY)_u]=0, m_u=0,33
T*_u=50, dY_u=4,60, Y_u/dY_u=3
application range
Y_n=18 100 Y
Y_N=3,6 1 Y_W=90 2 log(Y)
BEZ51−8A
BEZ51−7N