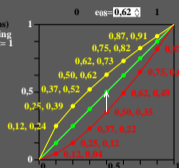


9 step series with grey sample and surround too dark, a just both with a value larger "0.50"

adjust visual equal difference for Grey U between White W and Black N



Output (9 steps)  
adjusted spacing  
 $0 < rgb^b_{out} < 1$



go to next image 2

one experimental value:  
 $e_{08}=0.62$   
real gamma value:  
 $\gamma_{re} = \log [0.50] / \log [e_{08}] = 1.500$   
inverse gamma value:  
 $\gamma_{in} = \log [e_{08}] / \log [0.50] = 0.666$

equally spaced  
 $0 < rgb^b_{in} < 1$   
Input (9 steps)

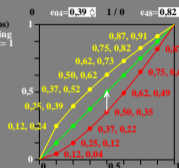
hez71-5a, image 1, produce equal visual difference between Black N – White W

9 step series with grey sample and surround appears too dark, all will be lighter below

adjust visual equal difference for two of 5 steps



Output (9 steps)  
adjusted spacing  
 $0 < rgb^b_{out} < 1$



go to next image 3

two experimental values:  
 $e_{04}=e_{48}$

equally spaced  
 $0 < rgb^b_{in} < 1$   
Input (9 steps)

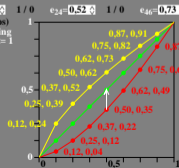
hez71-6a, image 2, produce equal visual difference between two of five steps

9 step series with grey sample and surround appears too dark, all will be lighter below

adjust visual equal difference for four of 9 steps



Output (9 steps)  
adjusted spacing  
 $0 < rgb^b_{out} < 1$



go to next image 4

four experimental values:  
 $e_{02}, e_{24}, e_{46}, e_{68}$

save 7 data above as text

equally spaced  
 $0 < rgb^b_{in} < 1$   
Input (9 steps)

hez71-7a, image 3, produce equal visual difference between four of nine steps

hez71-7n

9 step series with grey sample and surround appears too dark, all will be lighter below

9 step series based on all visual adjustments used for output linearization



0,00  $c_1=0,12$   $c_2=0,25$   $c_3=0,37$   $c_4=0,50$   $c_5=0,62$   $c_6=0,75$   $c_7=0,87$  1,00  
calculation with visual experimental (e) data adjusted above  
 $a_1=e_{08}, b_1=e_{04}^*a_1, b_2=e_{48}(1-b_2)+b_2, c_2=b_1, c_4=b_2, c_6=b_3$   
 $c_1=e_{02}^*b_1, c_3=e_{24}(b_2-b_2)+b_1, c_5=e_{46}(b_1-b_2)+b_2, c_7=e_{68}(1-b_3)+b_3$

save 7 data above as text

save 9 data below as text

$\pm 0,04$   $\pm 0,04$   $\pm 0,04$   $\pm 0,04$   $\pm 0,04$   $\pm 0,04$   $\pm 0,04$   $\pm 0,04$   $\pm 0,04$   
0,00  $c_1=0,12$   $c_2=0,25$   $c_3=0,37$   $c_4=0,50$   $c_5=0,62$   $c_6=0,75$   $c_7=0,87$  1,00

grey example  
difference visible?  $\pm 0,25 \pm 0,06$  adjust threshold  
 $\pm 0,25 \pm 0,00$  no change

adjust and proof threshold of the linearized output  
restart with image 1

hez71-8a, image 4, adjust visual threshold (+0,04?) of 9 steps; all equal?