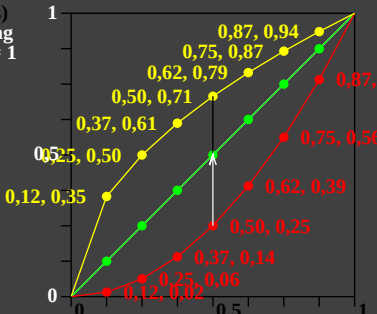
9 step series, sample and surround mean grey U40 is too dark, adjust U40 to U41 with p_{08}>0,50.

adjust visual equal difference for the intended Grey U41 0between White W and Black N

The gamma value γ_{inv}=0,500 of the software *GammaAdjuster* reaches equal differences and corresponds to p_{08}=0,70.

Output (9 steps)
adjusted spacing
0 <= *rgb$_{out}$ <= 1**

surround Grey: U400



go to next image 2

one experimental value:
p_{08}=0,70
real gamma value:
γ_{rel}= log [0,50] / log [e_{08}] =2,000
inverse gamma value:
γ_{inv}= log [e_{08}] / log [0,50] =0,500
The software *GammaAdjuster* reaches equal differences for γ_{inv}=0,500
equally spaced
0 <= *rgb$_{in}$ <= 1**
Input (9 steps)

ieg60−7n, image 10, produce (p) equal visual difference Black N − White W, γ_{rel}=2,00, γ_{inv}=0,50

TUB-test chart ieg6; Adjacent and separated grey series, γ_{rel}=0.5, γ_{inv}=2.0, start example
Output linearization and thresholds for the 9 step equally spaced colour series Black N − Red R

9 step series, sample and surround mean grey U40 is too dark, adjust U40 to U41 with p_{08}>0,50.

0	101	201	301	401	501	601	701	8

adjust visual equal difference for the intended Grey U41 1between White W and Black N

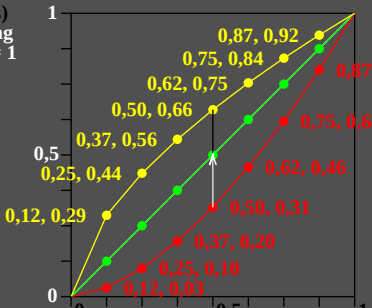
0	411	8

0 p_{08}=0,66 ◊ 1

The gamma value γ_{inv}=0,600 of the software *GammaAdjuster* reaches equal differences and corresponds to p_{08}=0,65.

Output (9 steps)
adjusted spacing
0 <= *rgb$_{out}$ <= 1**

surround Grey: U401



go to next image 2

one experimental value:
p_{08}=0,65
real gamma value:
γ_{rel}= log [0,50] / log [e_{08}] =1,666
inverse gamma value:
γ_{inv}= log [e_{08}] / log [0,50] =0,600
The software *GammaAdjuster* reaches equal differences for γ_{inv}=0,600
equally spaced
0 <= *rgb$_{in}$ <= 1**
Input (9 steps)

ieg60−7n, image 11, produce (p) equal visual difference Black N − White W, γ_{rel}=1,66, γ_{inv}=0,60

9 step series, sample and surround mean grey U40 is too dark, adjust U40 to U41 with p_{08}>0,50.

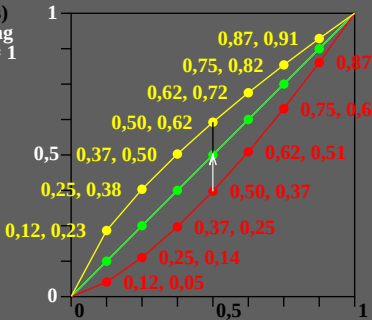
adjust visual equal difference for the intended Grey U41 2between White W and Black N

0 p_{08}=0,62 ◊ 1

The gamma value γ_{inv}=0,700 of the software *GammaAdjuster* reaches equal differences and corresponds to p_{08}=0,61.

Output (9 steps)
adjusted spacing
0 <= *rgb$_{out}$ <= 1**

surround Grey: U402



go to next image 2

one experimental value:
p_{08}=0,61
real gamma value:
γ_{rel}= log [0,50] / log [e_{08}] =1,428
inverse gamma value:
γ_{inv}= log [e_{08}] / log [0,50] =0,700
The software *GammaAdjuster* reaches equal differences for γ_{inv}=0,700
equally spaced
0 <= *rgb$_{in}$ <= 1**
Input (9 steps)

ieg60−7n, image 12, produce (p) equal visual difference Black N − White W, γ_{rel}=1,42, γ_{inv}=0,70

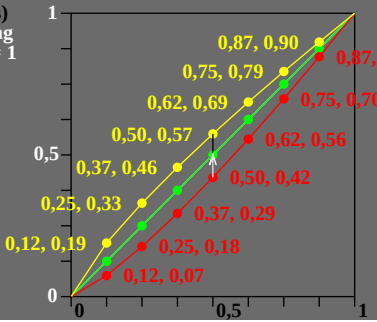
TUB-test chart ieg6; Adjacent and separated grey series, γ_{rel}=0.7, γ_{inv}=1.42, start example
Output linearization and thresholds for the 9 step equally spaced colour series Black N − Red R

9 step series, sample and surround mean grey U40 is too dark, adjust U40 to U41 with p_{08}>0,50.

adjust visual equal difference for the intended Grey U41 3between White W and Black N

The gamma value γ_{inv}=0,800 of the software *GammaAdjuster* reaches equal differences and corresponds to p_{08}=0,57.

Output (9 steps)
adjusted spacing
0 <= *rgb$_{out}$ <= 1**



surround Grey: U403

go to next image 2

one experimental value:
p_{08}=0,57
real gamma value:
γ_{rel}= log [0,50] / log [e_{08}] =1,250
inverse gamma value:
γ_{inv}= log [e_{08}] / log [0,50] =0,800
The software *GammaAdjuster* reaches equal differences for γ_{inv}=0,800
equally spaced
0 <= *rgb$_{in}$ <= 1**
Input (9 steps)

ieg60−7n, image 13, produce (p) equal visual difference Black N − White W, γ_{rel}=1,25, γ_{inv}=0,80

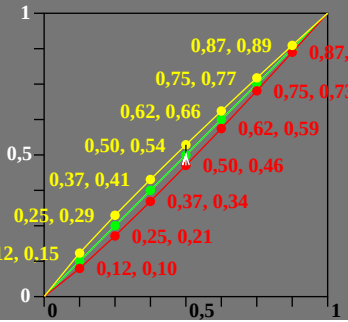
TUB-test chart ieg6; Adjacent and separated grey series, γ_{rel}=0.8, γ_{inv}=1.25, start example
Output linearization and thresholds for the 9 step equally spaced colour series Black N − Red R

9 step series, sample and surround mean grey U40 is too dark, adjust U40 to U41 with p_{08}>0,50.

adjust visual equal difference for the intended Grey U41 4between White W and Black N

The gamma value γ_{inv}=0,900
of the software *GammaAdjuster*
reaches equal differences
and corresponds to p_{08}=0,53.

Output (9 steps)
adjusted spacing
0 <= *rgb$_{out}$ <= 1**



surround Grey: U404

go to next image 2

one experimental value:
p_{08}=0,53
real gamma value:
γ_{rel}= log [0,50] / log [e_{08}] =1,111
inverse gamma value:
γ_{inv}= log [e_{08}] / log [0,50] =0,900
The software *GammaAdjuster*
reaches equal differences for
γ_{inv}=0,900
equally spaced
0 <= *rgb$_{in}$ <= 1**
Input (9 steps)

ieg60−7n, image 14, produce (p) equal visual difference Black N − White W, γ_{rel}=1,11, γ_{inv}=0,90

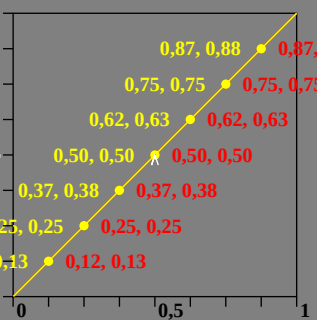
TUB-test chart ieg6; Adjacent and separated grey series, γ_{rel}=0.9, γ_{inv}=1.11, start example
Output linearization and thresholds for the 9 step equally spaced colour series Black N − Red R

9 step series, sample and surround mean grey U40 is too dark, adjust U40 to U41 with p_{08}>0,50.

adjust visual equal difference for the intended Grey U41 5between White W and Black N

The gamma value γ_{inv}=1,000 of the software *GammaAdjuster* reaches equal differences and corresponds to p_{08}=0,50.

Output (9 steps)
adjusted spacing
0 <= *rgb$_{out}$ <= 1**



go to next image 2

surround Grey: U405

one experimental value: p_{08}=0,50
real gamma value:
γ_{rel}= log [0,50] / log [e_{08}] =1,000
inverse gamma value:
γ_{inv}= log [e_{08}] / log [0,50] =1,000
The software *GammaAdjuster* reaches equal differences for γ_{inv}=1,000
equally spaced
0 <= *rgb$_{in}$ <= 1**
Input (9 steps)

ieg60−7n, image 15, produce (p) equal visual difference Black N − White W, γ_{rel}=1,00, γ_{inv}=1,00

TUB-test chart ieg6; Adjacent and separated grey series, γ_{rel}=1.0, γ_{inv}=1.0, start example
Output linearization and thresholds for the 9 step equally spaced colour series Black N − Red R

9 step series, sample and surround mean grey U40 is too dark, adjust U40 to U41 with p_{08}>0,50.

0	106	206	306	406	506	606	706	8

adjust visual equal difference for the intended Grey U41 6between White W and Black N

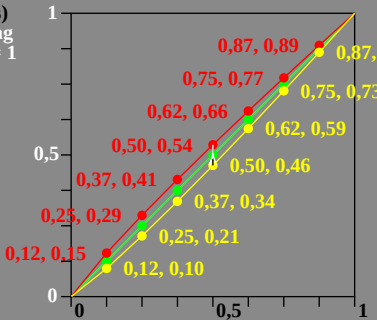
0	416	8

0 p_{08}=**0,46** ◊ 1

The gamma value γ_{inv}=1,111 of the software *GammaAdjuster* reaches equal differences and corresponds to p_{08}=0,46.

Output (9 steps)
adjusted spacing
0 <= *rgb$_{out}$ <= 1**

surround Grey: U406



go to next image 2

one experimental value:
p_{08}=0,46
real gamma value:
γ_{rel}= log [0,50] / log [e_{08}] =0,900
inverse gamma value:
γ_{inv}= log [e_{08}] / log [0,50] =1,111
The software *GammaAdjuster* reaches equal differences for γ_{inv}=1,111

equally spaced
0 <= *rgb$_{in}$ <= 1**
Input (9 steps)

ieg60−7n, image 16, produce (p) equal visual difference Black N − White W, γ_{rel}=0,90, γ_{inv}=1,11

TUB-test chart ieg6; Adjacent and separated grey series, γ_{rel}=1.11, γ_{inv}=0.9, start example
Output linearization and thresholds for the 9 step equally spaced colour series Black N − Red R

9 step series, sample and surround mean grey U40 is too dark, adjust U40 to U41 with p_{08}>0,50.

0	107	207	307	407	507	607	707	8

adjust visual equal difference for the intended Grey U41 7between White W and Black N

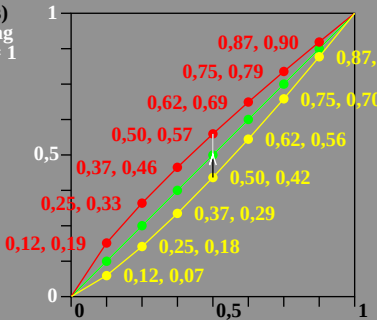
0	417	8

0 p_{08}=**0,42** ◊ 1

The gamma value γ_{inv}=1,250 of the software *GammaAdjuster* reaches equal differences and corresponds to p_{08}=0,42.

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

surround Grey: U407



go to next image 2

one experimental value:
p_{08}=0,42
real gamma value:
γ_{rel}= log [0,50] / log [e_{08}] =0,800
inverse gamma value:
γ_{inv}= log [e_{08}] / log [0,50] =1,250
The software *GammaAdjuster* reaches equal differences for γ_{inv}=1,250

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

ieg60−7n, image 17, produce (p) equal visual difference Black N − White W, γ_{rel}=0,80, γ_{inv}=1,25

TUB-test chart ieg6; Adjacent and separated grey series, γ_{rel}=1.25, γ_{inv}=0.8, start example
Output linearization and thresholds for the 9 step equally spaced colour series Black N − Red R

9 step series, sample and surround mean grey U40 is too dark, adjust U40 to U41 with p_{08}>0,50.

0	108	208	308	408	508	608	708	8

adjust visual equal difference for the intended Grey U41 8between White W and Black N

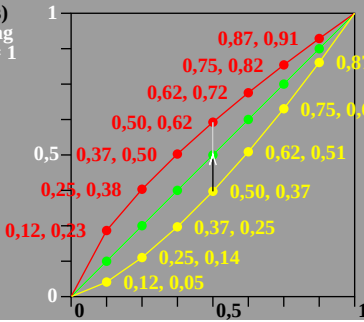
0	418	8

0 p_{08}=0,37 ◊ 1

The gamma value γ_{inv}=1,428 of the software *GammaAdjuster* reaches equal differences and corresponds to p_{08}=0,37.

Output (9 steps)
adjusted spacing
0 <= *rgb$_{out}$ <= 1**

surround Grey: U408



go to next image 2

one experimental value:
p_{08}=0,37
real gamma value:
γ_{rel}= log [0,50] / log [e_{08}] =0,700
inverse gamma value:
γ_{inv}= log [e_{08}] / log [0,50] =1,428
The software *GammaAdjuster* reaches equal differences for γ_{inv}=1,428

equally spaced
0 <= *rgb$_{in}$ <= 1**
Input (9 steps)

ieg60−7n, image 18, produce (p) equal visual difference Black N − White W, γ_{rel}=0,70, γ_{inv}=1,42

TUB-test chart ieg6; Adjacent and separated grey series, γ_{rel}=1.42, γ_{inv}=0.7, start example
Output linearization and thresholds for the 9 step equally spaced colour series Black N − Red R

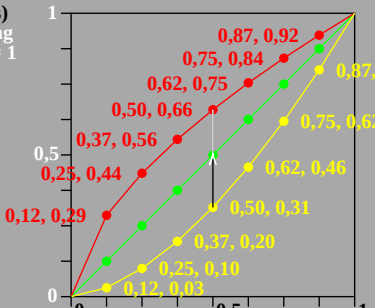
9 step series, sample and surround mean grey U40 is too dark, adjust U40 to U41 with p_{08}>0,50.

adjust visual equal difference for the intended Grey U41 9between White W and Black N

The gamma value γ_{inv}=1,666 of the software *GammaAdjuster* reaches equal differences and corresponds to p_{08}=0,31.

Output (9 steps)
adjusted spacing
0 <= *rgb$_{out}$ <= 1**

surround Grey: U409



go to next image 2

one experimental value:
p_{08}=0,31
real gamma value:
γ_{rel}= log [0,50] / log [e_{08}] =0,600
inverse gamma value:
γ_{inv}= log [e_{08}] / log [0,50] =1,666
The software *GammaAdjuster* reaches equal differences for γ_{inv}=1,666

equally spaced
0 <= *rgb$_{in}$ <= 1**
Input (9 steps)

ieg60−7n, image 19, produce (p) equal visual difference Black N − White W, γ_{rel}=0,60, γ_{inv}=1,66

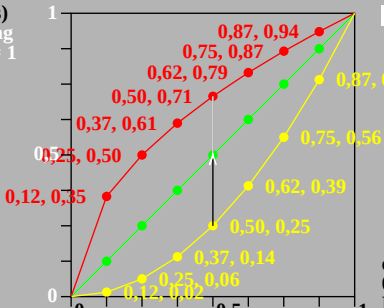
9 step series, sample and surround mean grey U40 is too dark, adjust U40 to U41 with p_{08}>0,50.

adjust visual equal difference for the intended Grey U41 abetween White W and Black N

The gamma value γ_{inv}=2,000 of the software *GammaAdjuster* reaches equal differences and corresponds to p_{08}=0,25.

Output (9 steps)
adjusted spacing
0 <= *rgb$_{out}$ <= 1**

surround Grey: U40a



go to next image 2

one experimental value: p_{08}=0,25
real gamma value: γ_{rel}= log [0,50] / log [e_{08}] =0,500
inverse gamma value: γ_{inv}= log [e_{08}] / log [0,50] =2,000
The software *GammaAdjuster* reaches equal differences for γ_{inv}=2,000
equally spaced
0 <= *rgb$_{in}$ <= 1**
Input (9 steps)

ieg60−7n, image 1a, produce (p) equal visual difference Black N − White W, γ_{rel}=0,50, γ_{inv}=2,00