

**The visual 16 step spacing depends on hardware, software,  
and environment, for example on screen reflections of ambient light**

computer display,  
for example LCD

prepare 8 gamma values  
**2,40 2,22, ..., 1,32, 1,14**  
for computer display output  
in computer operating system

and/or external display,  
for example VGA

prepare 8 gamma values  
**1,75, 2,00, ..., 3,25, 3,50**  
for external display output  
in computer operating system

Start

Use the achromatic file which produces one page:  
[http://farbe.li.tu-berlin.de/AS06/AS06F0PX\\_CY8\\_1.PDF](http://farbe.li.tu-berlin.de/AS06/AS06F0PX_CY8_1.PDF)  
or use a chromatic file with an image:  
[http://farbe.li.tu-berlin.de/AS17/AS17F0PX\\_CY8\\_1.PDF](http://farbe.li.tu-berlin.de/AS17/AS17F0PX_CY8_1.PDF)

computer  
display

Use start gamma value 2,4  
or next gamma value  
**2,22, 2,04, ..., 1,32, 1,14**

and/or external  
display

Use start gamma value 1,75  
or next gamma value  
**2,00, 2,25, ..., 3,25, 3,50**

Are the  
16 greys  
**visually equally  
spaced?**

Si

Start of  
visual ISO method  
for evaluation of  
ISO-test  
chart output

No

Last of  
all gamma  
values?

Si

Stop: test failure

No

Try method with 8 increasing gamma values:  
**2,40 2,58, 2,76, 2,94, 3,12, 3,30, ...**  
instead of 8 decreasing gamma values 2,40 2,22, ...

AS840-7N

gráfico TUB-AS84; Display Output Linearization  
Change of gamma values according to ISO 9241-306

**The visual 16 step spacing depends on hardware, software,  
and environment, for example on screen reflections of ambient light**

computer display,  
for example LCD

prepare 8 gamma values  
**2,40 2,22, ..., 1,32, 1,14**  
for computer display output  
in computer operating system

and/or external display,  
for example VGA

prepare 8 gamma values  
**1,75, 2,00, ..., 3,25, 3,50**  
for external display output  
in computer operating system

Start

Use the achromatic file which produces one page:  
[http://standards.iso.org/iso/9241/306/ed-2/AS06/AS06F0PX\\_CY8\\_1.PDF](http://standards.iso.org/iso/9241/306/ed-2/AS06/AS06F0PX_CY8_1.PDF)  
or use a chromatic file with an image:  
[http://standards.iso.org/iso/9241/306/ed-2/AS17/AS17F0PX\\_CY8\\_1.PDF](http://standards.iso.org/iso/9241/306/ed-2/AS17/AS17F0PX_CY8_1.PDF)

computer  
display

Use start gamma value 2,4  
or next gamma value  
**2,22, 2,04, ..., 1,32, 1,14**

and/or external  
display

Use start gamma value 1,75  
or next gamma value  
**2,00, 2,25, ..., 3,25, 3,50**

Are the  
16 greys  
**visually equally  
spaced?**

Si

Start of  
visual ISO method  
for evaluation of  
ISO-test  
chart output

No

Last of  
all gamma  
values?

Si

Stop: test failure

No

Try method with 8 increasing gamma values:  
**2,40 2,58, 2,76, 2,94, 3,12, 3,30, ...**  
instead of 8 decreasing gamma values 2,40 2,22, ...

AS841-7N

entrada: w/rgb/cmyk -> w/rgb/cmyk\_  
salida: ningún cambio