
Subject: Re: jpegs and tiffs

Posted by [David Fanning](#) on Tue, 25 Dec 2007 02:36:46 GMT

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Josh writes:

> The following program is supposed to write two sine waves, a blue one
> and a black one, to two different files. However, on my system, the
> jpeg ends up with two black sine waves, whereas the tiff (as well as
> the window on the screen) end up with a blue one and a black one as
> desired. Any thoughts? Code is taken from Gumley, but with many
> changes.

Well, I don't think there are **really** two black sine waves in the JPEG file. I think one of them is very dark blue and the other is black. But, you are right, it is not as blue as it is in the TIFF file. I think this is probably because of the "lossy" nature of JPEG files. I would try setting the QUALITY keyword on the WRITE_JPEG command to 100 and see if that doesn't help some.

In any case, if you choose a RED color, you will see that you are getting differences in your two lines. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: jpegs and tiffs

Posted by [Josh](#) on Thu, 27 Dec 2007 21:00:06 GMT

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> Well, I don't think there are **really** two black sine
> waves in the JPEG file. I think one of them is very dark
> blue and the other is black. But, you are right, it is
> not as blue as it is in the TIFF file. I think this is
> probably because of the "lossy" nature of JPEG files.
> I would try setting the QUALITY keyword on the WRITE_JPEG
> command to 100 and see if that doesn't help some.
>
> In any case, if you choose a RED color, you will see that
> you are getting differences in your two lines. :-)

This makes sense -- unfortunately neither solution worked. I tried both
quality=100 and RED='0000FF'XL (as well as both at the same time) and I always
get two apparently black lines in the jpeg, but a colored line in the tiff.
When I try LTGRAY='CCCCCC'XL, the jpeg does show the line as being light
gray. It seems that the jpeg understands grayscale.

J

Subject: Re: jpegs and tiffs

Posted by [David Fanning](#) on Thu, 27 Dec 2007 21:08:52 GMT

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Josh writes:

> This makes sense -- unfortunately neither solution worked. I tried
> both
> quality=100 and RED='0000FF'XL (as well as both at the same time) and
> I always
> get two apparently black lines in the jpeg, but a colored line in the
> tiff.
> When I try LTGRAY='CCCCCC'XL, the jpeg does show the line as being
> light
> gray. It seems that the jpeg understands grayscale.

Humm. Sure you are using a 24-bit display? What does
HELP, /DEVICE tell you? What application are you using
to view your JPEG files?

Color! Scheesh!

Cheers,

David

--

David Fanning, Ph.D.

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