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Subject: Re: color\_quan & gif files

Posted by [Liam Gumley](#) on Thu, 29 Jul 1999 07:00:00 GMT

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Simon Hall wrote:

```
> I'm producing a lot of images that will eventually end up on a web
> page, so I'm generating .gif files. I'm also using a 24 bit display
> so my code is something like this:
>
> set_plot, 'win'
> device, decomposed = 0
>
> <do plot here>
>
> tvlct, r, g, b, /get
> write_gif, filename, color_quan(tvrd(/true), 1, r, g, b), r, g, b
>
> (All this courtesy of dfanning.com, thanks David)
>
> I do get valid gif files but color_quan seems to alter the colours a
> little. Most noticeably, the white background is now light grey
> ([248,248,248] rather than [255,255,255]). Not a big difference but
> immediately obvious against a white background.
```

Here's a hack which changes any color table entries with R,G,B values greater than 245 to white:

```
image = color_quan(tvrd(/true), 1, r, g, b, colors=256)
```

```
value = 245
```

```
index = where((r gt value) and (g gt value) and (b gt value), count)
```

```
if count gt 0 then begin
```

```
    r[index] = 255B
```

```
    g[index] = 255B
```

```
    b[index] = 255B
```

```
endif
```

```
write_gif, filename, image, r, g, b
```

Cheers,

Liam.

--

Liam E. Gumley

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Subject: Re: color\_quan & gif files

Posted by [davidf](#) on Thu, 29 Jul 1999 07:00:00 GMT

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Simon Hall ([Simon.Hall@atm.ch.cam.ac.uk](mailto:Simon.Hall@atm.ch.cam.ac.uk)) writes:

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> (All this courtesy of dfanning.com, thanks David)
```

Ah, shucks...

```
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> ([248,248,248] rather than [255,255,255]). Not a big difference but
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```

A couple of quick questions before I make a stab at an answer:

1. Are you certain you are in 24-bit color and not 16-bit color?
2. Why do you think the white background is gray? :-)  
I guess I am asking, where are you viewing these GIF images? If you read them into IDL after writing them, do they look OK? What about displaying them in Photoshop? If you are viewing them in a browser, which one, specifically?

Thanks,

Cheers,

David

--

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