
Subject: Re: View 24-bit images
Posted by [Liam E. Gumley](#) on Fri, 04 Feb 2000 08:00:00 GMT
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"Alvaro T." wrote:

```
> I'm having problems about viewing 24-bit images.  
> I have got an image in HDF format. The data is stored as INT (from -32000 to  
> 32000) and use the HDF_... functions to get the image data. For viewing the  
> data in the screen, I use:  
>  
> TV, imagedata, Order=1  
>  
> but almost I can't see anything!. So, I try:  
>  
> TVScl, imagedata, Order=1  
>  
> Now I can see the image, but only 256 colors (or grey levels), so I'm losing  
> bit values. Why?  
> I'm using Windows in 32-bits mode and IDL has: !D.N_Colors=16777216,  
> !D.Table_Size=256
```

Alvaro,

Just so we're talking about the same thing, True Color images must have dimensions of the form

[3, NX, NY] or [NX, 3, NY] or [NX, NY, 3]

where NX is the width of the image (number of columns), NY is the height of the image (number of rows), and the dimension 3 refers to the red, green, and blue image planes.

My IMDISP procedure does (IMHO) an excellent job of displaying True Color images or Pseudo Color images, e.g.

```
read_jpeg, filepath('rose.jpg', subdir='examples/data'), image  
imdisp, image  
imdisp, image, order=1
```

Check out <http://cimss.ssec.wisc.edu/~gumley/imdisp.html>

Cheers,
Liam.
<http://cimss.ssec.wisc.edu/~gumley>
