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Subject: Re: IDLgrImage and the channel keyword  
Posted by [Jim Pendleton](#) on Wed, 04 Feb 2015 23:53:11 GMT  
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On Wednesday, February 4, 2015 at 2:02:30 PM UTC-7, ronkling wrote:

> All,  
>  
> Has anyone figured out how to use the channel keyword for IDLgrImage?  
>  
> If you try this  
>  
> file = 'E:\Program Files\Exelis\IDL84\examples\data\rose.jpg'  
> im = read\_image(file)  
> xobjview, obj\_new('IDLgrImage',im, channel='ff0000'x)  
>  
> What I expect to see is a red channel image, but instead I see cyan which is a combination of  
green and blue. So it is almost acting like a color subtraction. But if you try other hex  
combinations they don't work like subtractions either.  
>  
> Any ideas????  
>  
> Ronn Kling

Good question! It doesn't produce what I would expect from the documentation setting just the  
red channel in an RGB input image:

```
IDL> a = bytarr(3, 255, 255)
IDL> a[0, *, *] = 255B
IDL> xobjview, idlgrimage(a, channel = 'ff0000'x)
IDL> xobjview, idlgrimage(a, channel = '00ff00'x)
IDL> xobjview, idlgrimage(a, channel = '0000ff'x)
```

Compare with

```
IDL> xobjview, idlgrimage(a, channel = '000101'x)
```

Is Karl still out here on the internets?

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