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Subject: display an image from RGB

Posted by [Chi-Kuei Wang](#) on Fri, 16 Dec 2005 21:05:18 GMT

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Hi,

I am an ENVI user. In the context of multi- and hyper-spectral data, I always wonder how does ENVI display an image using 3 different wavelengths representing red, green, and blue colors.

I am trying to reproduce this function using my own code in IDL (as an exercise to understand IDL color table). But I couldn't find a way to do it. I suppose I need to know the relationship between (red, green, blue) triplets and IDL color table. Say,  
$$zcolors = red * var\_red + green * var\_red + blue * var\_blue$$
Once I know this relationship, I can use it to generate a new image, whose pixel values will correspond to IDL color table.

Is this correct? If so, can anyone provide me the relationship for color triplets and IDL color table.

Thanks,  
Chi-Kuei

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