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Subject: Re: color table conversion

Posted by [Stein Vidar Hagfors H\[1\]](#) on Fri, 18 May 2001 19:28:13 GMT

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Arend Sluis <sluis@physics.rutgers.edu> writes:

> Hi,  
>  
> this is a bit of an arcane topic, but here goes. I would like to use the  
> CIE Lab or CIE Luv color system to choose the colors that I want to load  
> into the IDL color table. The conversion from either of these color  
> systems to CIE XYZ is standard, the problem is the conversion from CIE  
> XYZ to RGB in IDL. I found one conversion (in the procedure PSEUDO), but  
> it doesn't seem to be correct, since white is not in the correct place,  
> i.e. Lab = (\*,0.,0.). Does anyone have any ideas how to find the correct  
> conversion, or how the folks at rsinc found their XYZ->RGB  
> transformation to begin with?!

Have you looked at <http://www.ece.mcgill.ca/~raed/image.html> "and  
references therein.."?

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Stein Vidar Hagfors Haugan

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