
Subject: Re: HSB to RGB?

Posted by [hahn](#) on Wed, 13 Mar 1996 08:00:00 GMT

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lgao@aol.com (LGAO) wrote:

> Hi,

> Does anyone know the equation to convert the color in

> HSB(hue,saturation,brightness) model to the color in RGB(red, green blue)

> model?

If you translate HSB into HLS (Hue, Lightness, Saturation) or HSB

(Hue, Saturation, Brightness) you can use the IDL procedure

COLOR_CONVERT to convert to and from RGB.

Is the conversion 1 to 1?

That depends upon the implementation and the color coordinate system used: RGB is a cube, HSB is a cone and HLS is a double cone (if I don't intermix HSB and HLS).

> Thanks.

> Li

Norbert Hahn
