
Subject: Re: colour conversion 8 -> 24 bit
Posted by [David Fanning](#) on Tue, 21 Nov 2006 14:13:06 GMT
[View Forum Message](#) <> [Reply to Message](#)

Bringfried Stecklum writes:

> it might seem weird but for some reason I want to convert a colour-indexed 8 bit
> image to a true colour one. Since there is no opposite of color_quan I ask
> around how to perform a "colour extension"?

Like this:

```
LoadCT, 5
TVLCT, r, g, b, /Get
image24 = [ [ r[image] ], [ g[image] ], [ b[image] ] ]
```

You can find the details here:

http://www.dfanning.com/color_tips/image24_from_image8.html

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: colour conversion 8 -> 24 bit
Posted by [Kenneth Bowman](#) on Tue, 21 Nov 2006 14:15:57 GMT
[View Forum Message](#) <> [Reply to Message](#)

In article <ejuv22\$jf4\$1@lc03.rz.uni-jena.de>,
Bringfried Stecklum <stecklum@tls-tautenburg.de> wrote:

> Hello,
>
> it might seem weird but for some reason I want to convert a colour-indexed 8 bit
> image to a true colour one. Since there is no opposite of color_quan I ask
> around how to perform a "colour extension"?

If you have the 8-bit image and color table, just look up the intensities for each color component in the table. Without actually trying it, something like this:

```
image8 = BYTARR(ni, nj)      ;Your 8-bit image
```

table = BYTARR(255, 3) ;Color table for 8-bit image

image24 = BYTARR(ni, nj, 3) ;Empty 24-bit image

image24[0,0,0] = table[image8, 0] ;Red image plane

image24[0,0,1] = table[image8, 1] ;Green image plane

image24[0,0,2] = table[image8, 2] ;Blue image plane

Ken Bowman

Subject: Re: colour conversion 8 -> 24 bit

Posted by [Bringfried Stecklum](#) on Tue, 21 Nov 2006 19:53:34 GMT

[View Forum Message](#) <> [Reply to Message](#)

Although David was faster by 2mins in his response thanks to both of you!

regards,

Bringfried
