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```
write_png,file_out,image
```

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BLACK
P1 P1 P1

> Do it without color tables instead:

```
>
> image=tvrd(true=1)
> write_png,file_out,image
```

Subject: Re: Write PNG from plots with different color tables??

Posted by [penteado](#) on Wed, 03 Mar 2010 00:06:42 GMT

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On Mar 2, 4:30 pm, Mark Shephard <mark.w.sheph...@gmail.com> wrote:

```
> Hi PP,
>
> Thanks for the prompt response. I had already tried what you
> suggested. When I do so I get a very strange result. The top half is
> completely black and the bottom half has the plot repeated three times
> (still using just one of the color tables).
>
> -----
> |          |
> | BLACK    |
> |          |
> -----
> |          |
> | P1  P1  P1 |
> |          |
> -----
```

I did not expect that. I tried, and got something similar. It looks sort of like the result of getting the wrong interleaving. But I do not know why that is happening. It is not an issue with write_png, as I displayed the array returned by tvrd, and it looked that way.

Subject: Re: Write PNG from plots with different color tables??

Posted by [penteado](#) on Wed, 03 Mar 2010 00:17:36 GMT

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On Mar 2, 9:06 pm, pp <pp.pente...@gmail.com> wrote:

```
> On Mar 2, 4:30 pm, Mark Shephard <mark.w.sheph...@gmail.com> wrote:
>
>
>
>> Hi PP,
>
>> Thanks for the prompt response. I had already tried what you
>> suggested. When I do so I get a very strange result. The top half is
>> completely black and the bottom half has the plot repeated three times
```

```
>> (still using just one of the color tables).
```

```
>
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>> -----
```

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>> |      |  
>> | BLACK      |
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>> |      |
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>> -----
```

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>> |      |  
>> | P1  P1  P1 |
```

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>> |      |
```

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>> -----
```

Just noticed that the default pixel depth was 8, not 24 as I thought.
So tvrd was trying to do something weird, trying to read 3 bytes for
each pixel, where there was only 1. Adding, device,/

set_pixel_depth=24, before the first plot, solves the problem.

Subject: Re: Write PNG from plots with different color tables??

Posted by [jkeller](#) on Wed, 03 Mar 2010 11:13:43 GMT

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If you use X-Windows you should probably also use
DEVICE,BYPASS_TRANSLATION=1

Before I used this (it took me 7 years to figure this out) I always
got mad using TVRD().

Regards,
Jan

Subject: Re: Write PNG from plots with different color tables??

Posted by [ben.bighair](#) on Wed, 03 Mar 2010 15:14:40 GMT

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On Mar 2, 2:30 pm, Mark Shephard <mark.w.sheph...@gmail.com> wrote:

```
> Hi PP,
```

```
>
```

```
> Thanks for the prompt response. I had already tried what you  
> suggested. When I do so I get a very strange result. The top half is  
> completely black and the bottom half has the plot repeated three times  
> (still using just one of the color tables).
```

```
>
```

```
> -----
```

```
> |      |  
> | BLACK      |
```

```
> |      |
> -----
> |      |
> | P1  P1  P1 |
> |      |
> -----
>
> Any thoughts?
>
> Thanks,
> Mark
>
> On Mar 2, 2:06 pm, pp <pp.pente...@gmail.com> wrote:
>
>> On Mar 2, 3:51 pm, Mark Shephard <mark.w.sheph...@gmail.com> wrote:
>
>>> image = tvrd()
>>> write_png, file_out, image, r, g, b
>
>> Do it without color tables instead:
>
>> image=tvrd(true=1)
>> write_png,file_out,image
>
>
```

Hi,

What happens if you use David Fanning's handy TVREAD rather than IDL's built-in TVRD?

http://dfanning.com/color_tips/strange_tvrd.html

Ben
