Subject: Re: Write PNG from plots with different color tables?? Posted by penteado on Tue, 02 Mar 2010 19:06:00 GMT

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On Mar 2, 3:51 pm, Mark Shephard <mark.w.sheph...@gmail.com> wrote:

- > image = tvrd()
- > write_png, file_out, image, r, g, b

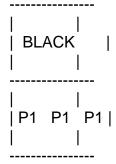
Do it without color tables instead:

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

Subject: Re: Write PNG from plots with different color tables?? Posted by Mark Shephard on Tue, 02 Mar 2010 19:30:25 GMT View Forum Message <> Reply to Message

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).



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:

Subject: Re: Write PNG from plots with different color tables?? Posted by penteado on Wed, 03 Mar 2010 00:06:42 GMT View Forum Message <> Reply to Message

```
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 View Forum Message <> Reply to Message

```
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:
>
>
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>> 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 |

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 ikeller on Wed, 03 Mar 2010 11:13:43 GMT View Forum Message <> Reply to Message

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 View Forum Message <> Reply to Message

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
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>> On Mar 2, 3:51 pm, Mark Shephard <mark.w.sheph...@gmail.com> wrote:
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>> 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