

---

Subject: Re: Filling the frame of a NG plot  
Posted by [dg86](#) on Wed, 03 Dec 2014 17:59:13 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

On Wednesday, December 3, 2014 12:57:59 PM UTC-5, David Grier wrote:  
> On Wednesday, December 3, 2014 12:41:41 PM UTC-5, Chris Torrence wrote:  
>> On Wednesday, December 3, 2014 9:43:57 AM UTC-7, David Grier wrote:  
>>> Dear Folks,  
>>>  
>>> I'd like to fill the plot area of a New Graphics plot with a solid color.  
>>> So far, I haven't found a way to do this that does not blank out the plot  
>>> itself. Here's a stripped-down example that is supposed to plot a diagonal  
>>> line over a yellow background. The yellow polygon, however, covers up the  
>>> diagonal line.  
>>>  
>>> win = window(dimensions = [512, 512])  
>>> pos = [0.2, 0.2, 0.8, 0.8]  
>>> ndx = [[0, 1], [2, 1], [2, 3], [0, 3], [0, 1]]  
>>> verts = pos[ndx]  
>>> poly = polygon(verts, /fill\_background, fill\_color = 'yellow', \$  
>>> fill\_transparency = 0, target = win)  
>>> pl = plot([0, 1], position = pos, current = win)  
>>>  
>>> I tried moving the polygon to the back with  
>>> poly.order, /send\_to\_back  
>>> and moving the plot to the front with  
>>> pl.order, /bring\_to\_front  
>>> Neither works.  
>>>  
>>>> print,!version  
>>> { x86\_64 darwin unix Mac OS X 8.4 Sep 27 2014 64 64}  
>>>  
>>> What's the right way to do what I want?  
>>>  
>>> All the best,  
>>>  
>>> David  
>>  
>> Hi David,  
>>  
>> Have you tried the BACKGROUND\_COLOR property?  
>>  
>> p = PLOT(/TEST, BACKGROUND\_COLOR='yellow')  
>>  
>> -Chris  
>  
> Dear Chris,  
>

> Thanks for your suggestion.  
> The straightforward solution works for simple cases, but not if I try to place  
> a plot over an image. Here's an example:  
>  
> win = window(dimensions = [512, 512])  
> im = image(randomu(seed, [512, 512]), position = [0, 0, 1, 1], current = win)  
> pl = plot([0, 1], position = pos, current = win, background\_color = 'yellow')  
>  
> The intention here is to superimpose a plot with a yellow background over a field  
> of grayscale noise. The plot appears over the noise, but without the yellow  
> background. That's why I started trying to use a polygon to fill in the frame.  
>  
> Is this a bug?  
>  
> TTFN,  
>  
> David

Oops: I forgot the position keyword:

```
pos = [0.2,0.2,0.8,0.8]
```

TTFN,

David

---