
Subject: Re: Legend creation on an image
Posted by [elsueniero](#) on Sat, 03 Jun 2006 02:31:15 GMT
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>> A colorbar with similar characteristics is described in this article:
>>
>> http://www.dfanning.com/map_tips/precipmap.html
>>

I wrote my own code based on yours, now, and I am almost there...
but...

Since I already had a well-known color code for NDVI, I am not using
your function to load colors. And there is where the problem is...
maybe you can help me:

I have:

```
colores = [[0,0,0],[0,24,104],[254,254,254],[205,193,169], $  
[199,186,169],[182,148,111],[170,129,75],[143,115,65], $  
[128,105,35],[148,183,19],[116,171,5],[102,162,2],[81,150,0], $  
[62,129,0],[24,117,3],[1,92,13],[1,71,0],[5,56,5],[0,40,3],[ 2,16,0]]
```

```
set_plot, 'Z'  
device, set_resolution=[600, 300], set_colors=256, z_buffering=0
```

```
; Change the color formats  
R = transpose(colores[0,*])  
G = transpose(colores[1,*])  
B = transpose(colores[2,*])  
; Load the colors (starting at 1 like you recommend)  
tv!ct,r,g,b,1
```

```
(..) Some init code we only need here the following  
ncolors = n_elements(R)  
bottom=1  
(..)
```

```
; Start drawing  
bar = BINDGEN(ncolors) # REPLICATE(1B, 20)  
; Fixed position  
position = [0.1, 0.85, 0.9, 0.92]
```

```
bar = BYTSCL(bar, TOP=(ncolors-1 < (255-bottom))) + bottom
```

```
xstart = position(0)  
ystart = position(1)  
xsize = (position(2) - position(0))
```

```
ysize = (position(3) - position(1))
```

```
bar = CONGRID(bar, CEIL(xsize*!D.X_VSize), CEIL(ysize*!D.Y_VSize),  
/INTERP)
```

```
TV, bar, xstart, ystart, /Normal
```

```
out = tvrd()  
device,/close  
set_plot, 'win'
```

```
tv,out
```

And the result is a grayscale RGB 1,1,1 to 20,20,20 bar. Not the desired result, using the colors I set on the first line.

What could be wrong?

Thank you for your time!!!
Juan
