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Subject: Color data points by 3rd variable

Posted by [morganlsilverman](#) on Thu, 25 Apr 2013 13:28:34 GMT

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Hello,

I'm plotting the latitude and longitude locations of the top 5% of my dataset. I want to color the locations of these data points by corresponding no2 values. I'm having a hard time figuring out how to set up the colorscale and colorbar correctly. I tried something along the lines of

```
no2temp = no2sorted(0:83) ; only want top 5% of data points (83 values out of 1661)
```

```
NO2colors = no2temp
```

```
NO2colors(*) = 0
```

```
NO2colors = fix(no2temp*255/(max(no2temp)-min(no2temp)))
```

```
cgcolors = cgColor(Bindgen(256))
```

```
NO2colors = cgcolors[NO2colors]
```

but it doesn't seem to work quite right. I'd like the range to be [1e16, 4e16]. Looking for any insight. Thanks.

Sincerely,  
Morgan

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