

SAS Tips and Tricks

Fall 2016








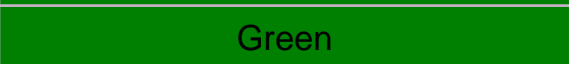
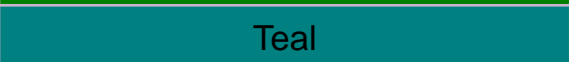


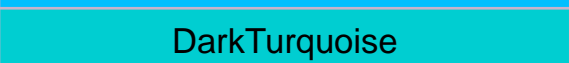
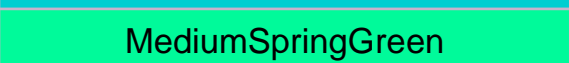

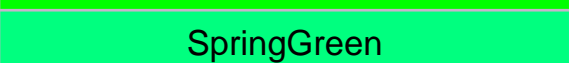
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What's my colour called?

A tale unabashedly copied from Art Carpenter's wonderful 2016 SAS Global Forum paper entitled “*Controlling Colors by Name: Selecting, Ordering, and Using Colors for Your Viewing Pleasure*”

<http://support.sas.com/resources/papers/proceedings16/4003-2016.pdf>

Colours!

Colour Name	Colour	Hex
Black		00 00 00
Navy		00 00 80
DarkBlue		00 00 8B
MediumBlue		00 00 CD
Blue		00 00 FF
DarkGreen		00 64 00
G		00 80 00
Green		00 80 00
Teal		00 80 80
DarkCyan		00 8B 8B
DeepSkyBlue		00 BF FF
DarkTurquoise		00 CE D1
MediumSpringGreen		00 FA 9A
Lime		00 FF 00
SpringGreen		00 FF 7F

More Colours!

Colour Name	Colour	Hex
Orange	Orange	FF A5 00
LightPink	LightPink	FF B6 C1
Pink	Pink	FF C0 CB
Gold	Gold	FF D7 00
Peachpuff	Peachpuff	FF DA B9
NavajoWhite	NavajoWhite	FF DE AD
Moccasin	Moccasin	FF E4 B5
Bisque	Bisque	FF E4 C4
MistyRose	MistyRose	FF E4 E1
BlanchedAlmond	BlanchedAlmond	FF EB CD
PapayaWhip	PapayaWhip	FF EF D5

How'd Art do that?

Proc Registry

Proc Registry

```
Export="colournames.txt"
```

```
usesashelp
```

```
startat="COLORNAMES"; *who knew!
```

```
here is why I read SGF papers*;
```

```
run;
```

Data clean

```
Data colours;  
  infile "colournames.txt" dlm='=' dsd truncover;  
  length colourname $35.;  
  length hexcode $35.;  
  input colourname $ hexcode $;  
  if hexcode =:"hex" then do;  
    *remove leading text*;  
    hexcode = ksubstr(hexcode,6);  
    *replace commas with spaces*;  
    hexcode = transtrn(hexcode, ',', ' ');  
    output;  
  end;  
run;
```

Sort from black to white

```
Proc Sort Data=colours;  
    By Hexcode;  
run;
```


Output time!

```
Proc Report Data=colours nowindows;
```

```
Column colourname colourname=clr hexcode;
```

```
Define colourname / "Colour Name";
```

```
Define clr / "Colour";
```

```
Define hexcode / "Hex";
```

```
Compute clr /char length=35;
```

```
call
```

```
define (_col_, "style", "style={background=" || colourname || "}")
```

```
;
```

```
endcomp;
```

```
run;
```

```
quit;
```

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Colour names??

Tell me something that's useful.



Useful...

- **Templates using corporate or custom colours**
- **“Traffic Lighting” or “Highlighting” in output**
- **Annoying your grouchy co-workers who don’t believe in colour**

Thank you.

**Questions, comments, or thoughts?
Please contact me at
Doug.Dover@gov.ab.ca**