

How can I change line colors in ggplot2?

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"GGplot2 is a popular data visualization package in R that allows users to create customizable and visually appealing graphs. One of the key features of this package is the ability to change line colors in the plots. By specifying the color parameter in the ggplot function, users can easily modify the line colors according to their preferences. Additionally, the package offers a wide range of color palettes and options to further enhance the aesthetic appeal of the graph. This user-friendly feature makes it convenient for individuals to effectively present their data in a visually appealing manner."

Change Line Colors in ggplot2 (With Examples)

You can use the following basic syntax to specify line colors in ggplot2:

```
ggplot(df, aes(x=x, y=y, group=group_var,  
color=group_var)) +  
geom_line() +  
scale_color_manual(values=c('color1', 'color2', 'color3'))
```

The following example shows how to use this syntax in practice.

Example: Change Line Colors in ggplot2

Suppose we have the following data frame in R:

```
#create data frame
```

```
df <- data.frame(store=c('A', 'A', 'A', 'B', 'B', 'B', 'C', 'C',  
'C'),  
week=c(1, 2, 3, 1, 2, 3, 1, 2, 3),
```

```
sales=c(9, 12, 15, 7, 9, 14, 10, 16, 19))
```

```
#view data frame
```

```
df
```

```
store week sales
```

```
1 A 1 9
```

```
2 A 2 12
```

```
3 A 3 15
```

```
4 B 1 7
```

```
5 B 2 9
```

```
6 B 3 14
```

```
7 C 1 10
```

```
8 C 2 16
```

```
9 C 3 19
```

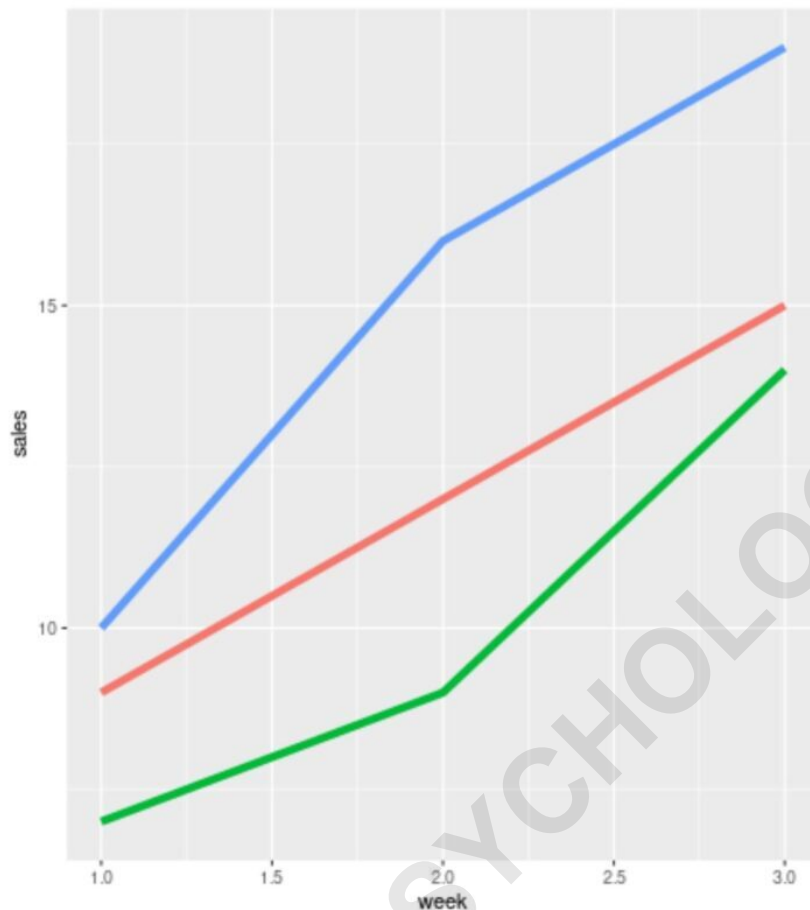
Now suppose we create the following line plot in ggplot2 to visualize the total sales by week and by store:

```
library(ggplot2)
```

```
#create line plot
```

```
ggplot(df, aes(x=week, y=sales, group=store,  
color=store)) +
```

geom_line(size=2)



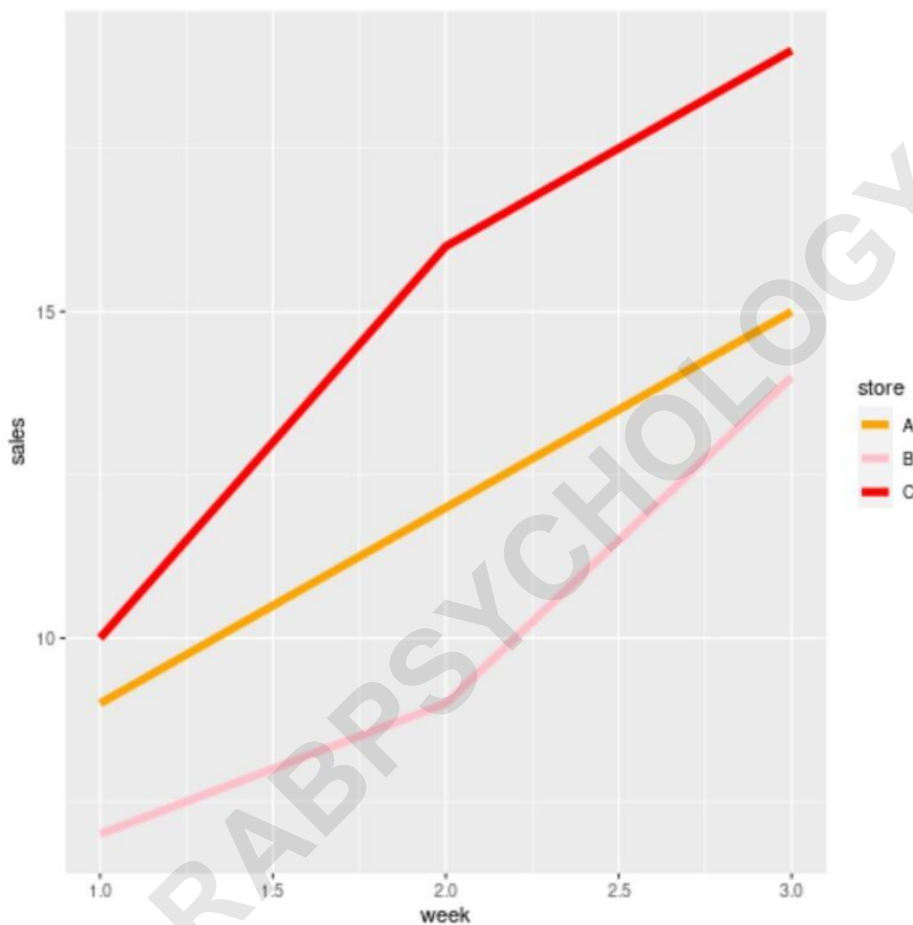
By default, ggplot2 uses a with red, green, and blue for the lines.

However, you can use the `scale_color_manual()` function to specify your own colors for the lines:

```
library(ggplot2)
```

```
#create line plot
```

```
ggplot(df, aes(x=week, y=sales, group=store, color=store)) +  
geom_line(size=2) +  
scale_color_manual(values=c('orange', 'pink', 'red'))
```



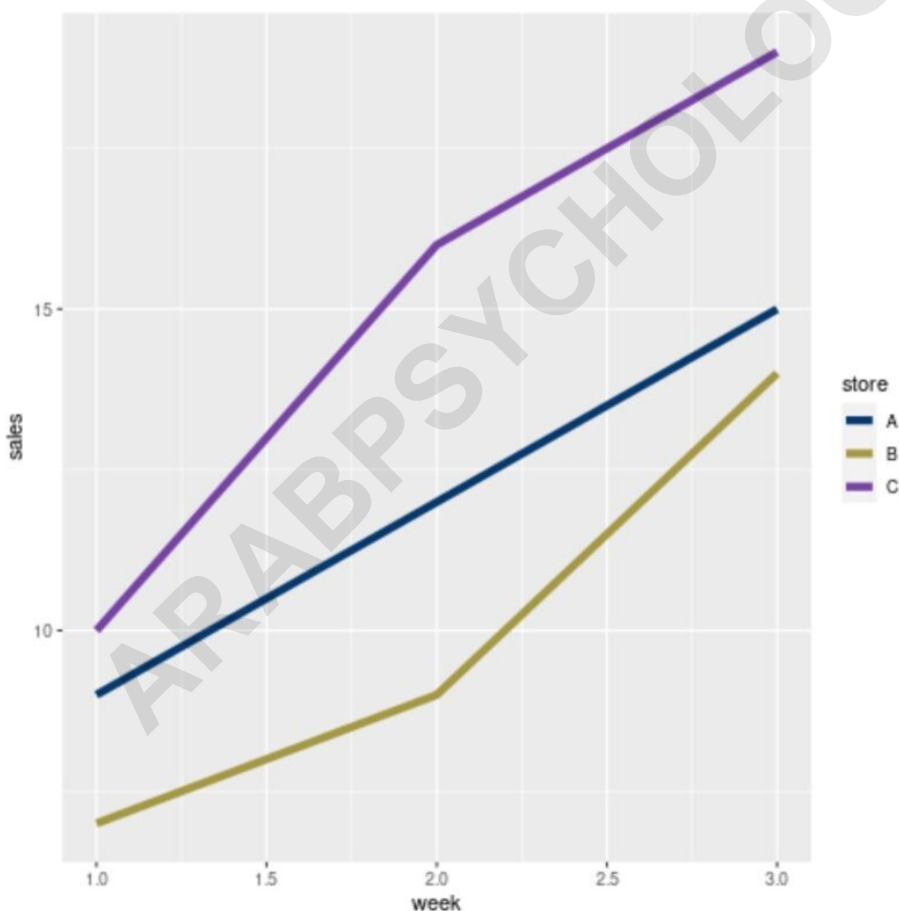
The colors are now orange, pink, and red.

Note that you can also use hex color codes to specify the colors:

```
library(ggplot2)
```

```
#create line plot
```

```
ggplot(df, aes(x=week, y=sales, group=store,  
color=store)) +  
geom_line(size=2) +  
scale_color_manual(values=c('#063970', '#A69943',  
'#7843a6'))
```



Additional Resources

The following tutorials explain how to perform other common tasks in ggplot2:

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