

# How can the background color be changed in Seaborn?

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## RECOMMENDED CITATION

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PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=161451>

Seaborn is a popular data visualization library in Python that provides a variety of aesthetic and statistical tools to create visually appealing plots. One of the key features of Seaborn is the ability to change the background color of plots, which can greatly enhance the overall appearance of the visualizations. To change the background color in Seaborn, one can use the "set\_style()" function and specify the desired background color as a parameter. This function allows for customization of various elements in the plot, including background color, grid lines, and font styles. Additionally, the "set\_palette()" function can be used to change the color palette of the plot, which can also affect the background color. With these functions, Seaborn offers a simple and efficient way to change the background color and create visually appealing plots for data analysis.

## Change Background Color in Seaborn

You can use the following basic syntax to change the background color of a Seaborn plot in Python:

```
sns.set(rc={'axes.facecolor':'lightblue',  
'figure.facecolor':'lightgreen'})
```

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

Example: Change Background Color in Seaborn

The following code shows how to create a scatterplot in Seaborn with a light blue background inside the plot and a light green background outside the plot:

```
import seaborn as sns  
import matplotlib.pyplot as plt
```

## #define data

**x =**

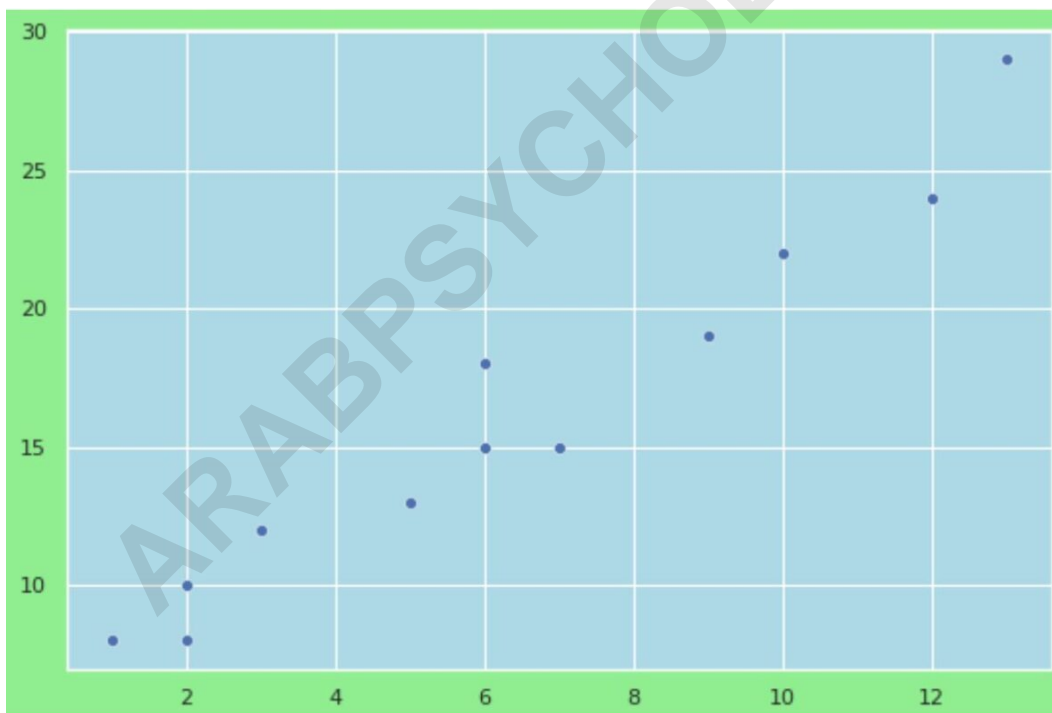
**y =**

## #define seaborn background colors

```
sns.set(rc={'axes.facecolor':'lightblue',  
'figure.facecolor':'lightgreen'})
```

## #create seaborn scatterplot

```
sns.scatterplot(x, y)
```



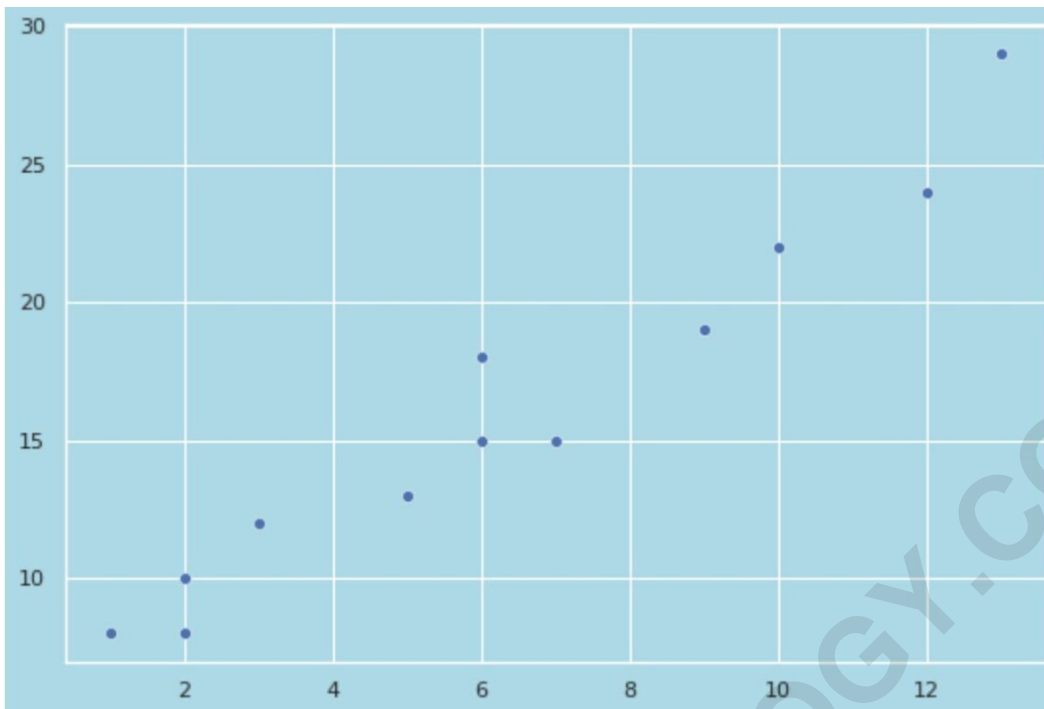
**The background color inside the plot is light blue and the background color outside of the plot is light green,**

**just as we specified.**

**In most cases, it's more common to use the same color inside and outside of the plot.**

**For example, we can use the following code to make the background color light blue both inside and outside of the plot:**

```
import seaborn as sns  
import matplotlib.pyplot as plt  
  
#define data  
x =  
y =  
  
#define seaborn background colors  
sns.set(rc={'axes.facecolor':'lightblue',  
'figure.facecolor':'lightblue'})  
  
#create seaborn scatterplot  
sns.scatterplot(x, y)
```



Note that we can also use hex color codes to set specific colors.

For example, we can use the following code to specify #33FFA2 as the background color inside the plot:

```
import seaborn as sns
import matplotlib.pyplot as plt
```

```
#define data
```

```
x =
```

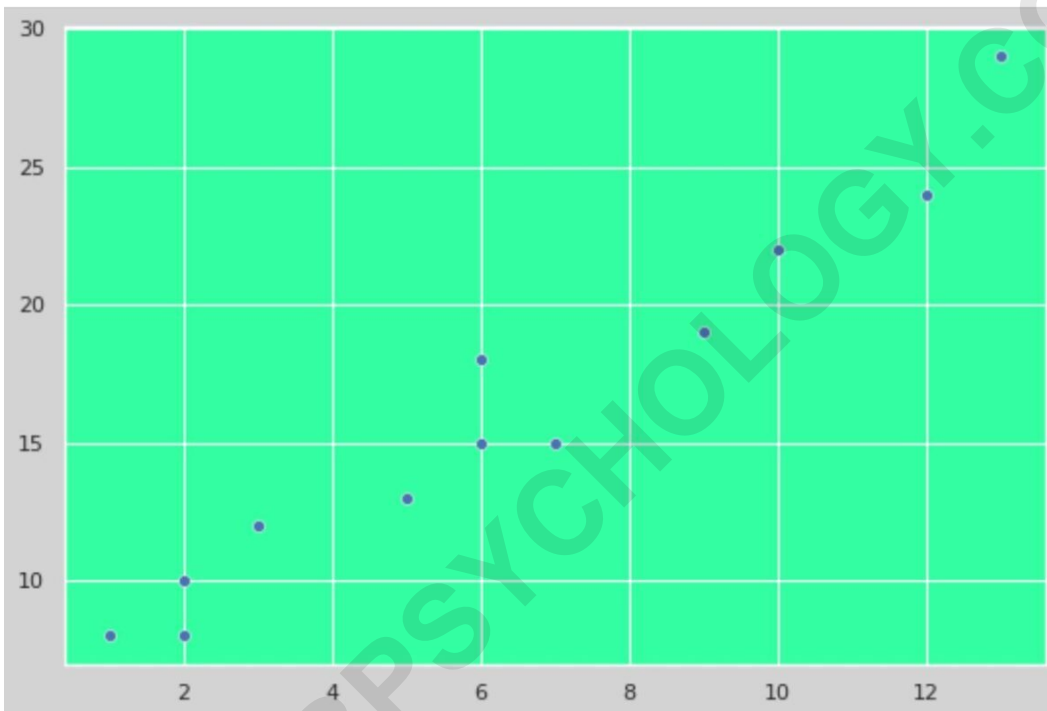
```
y =
```

```
#define seaborn background colors
```

```
sns.set(rc={'axes.facecolor':'#33FFA2',  
'figure.facecolor':'lightgrey'})
```

```
#create seaborn scatterplot
```

```
sns.scatterplot(x, y)
```



**Additional Resources**