
PyCharts

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CHAPTER 1

Authors

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```

3.1 How to create

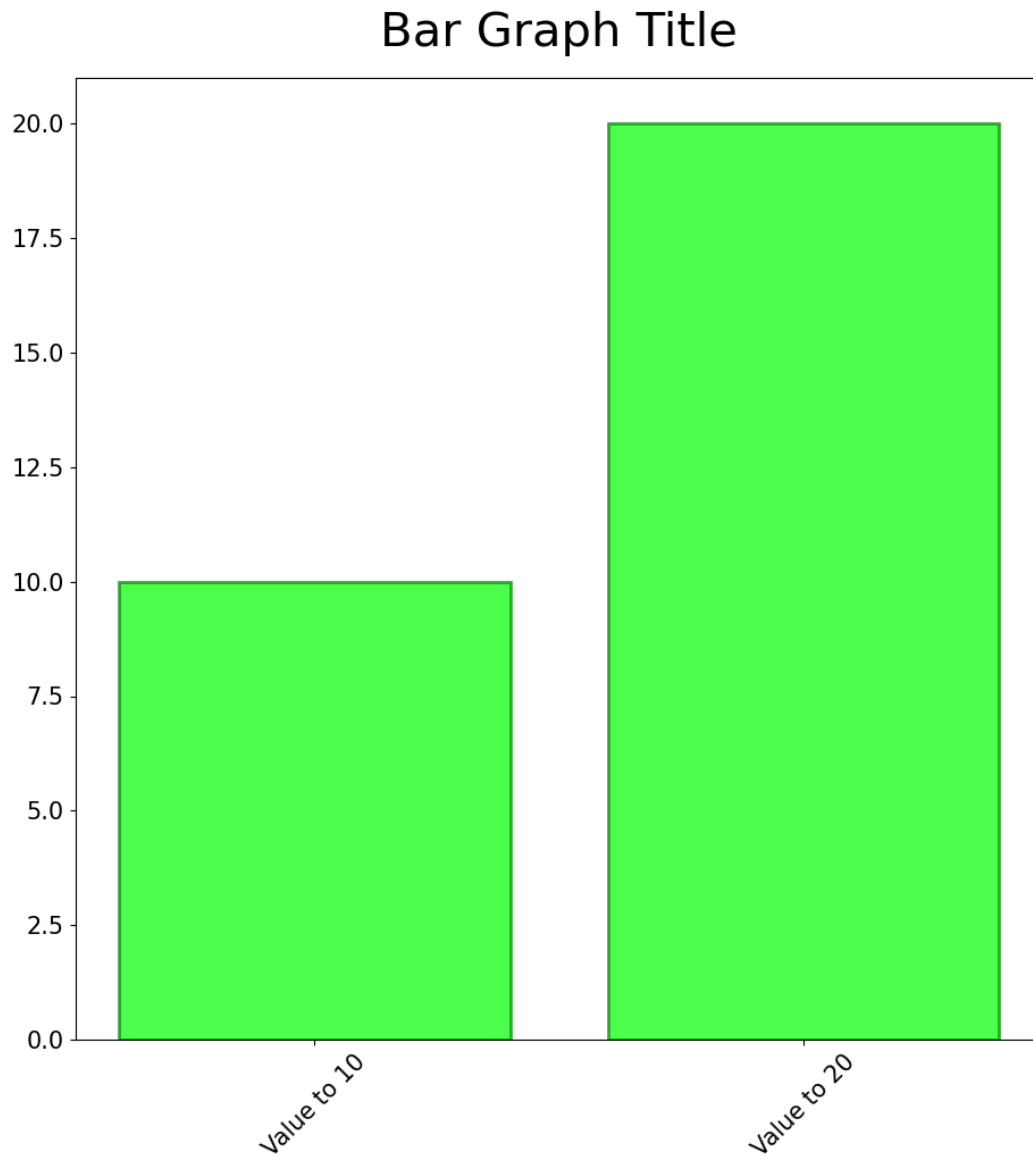
bar (*data*, *, *width* = 0, *height* = 0, *title* = "My Graph", *color* = "#00FF00", *bar_width* = 2, *alpha* = 0.7, *grid* = False, *label* = False)
Create a bar chart and return it.

Parameters

- **data** (*list*) – The data that should be put into the graph
- **width** (*float*) – The width of the graph
- **height** (*float*) – The height of the graph
- **title** (*str*) – The title of the graph
- **color** (*str*) – The color of the bars in the graph
- **bar_width** (*float*) – The width of the bars
- **alpha** (*float*) – The alpha value of the bars
- **grid** (*bool*) – Add a grid in the background
- **label** (*bool*) – Add the value at the top of each bar

Return type plot

3.2 Example



This chart has been created using this code:

```
1 import pycharts
2
3 bar_graph = pycharts.bar(title="Bar Graph Title", data=[["Value to 10", 10], ["Value
↵to 20", 20]])
4 bar_graph.savefig("bar.png")
```

3.3 Arguments

3.3.1 data

Type: list

The data that should be displayed in the chart. Each data should be stored in a list. Example: `data=[["first element", 10], ["second element", 20]]`. This will create 2 bars, one with the height of 10 and the other one with the height 20.

3.3.2 width

Type: float

The width of the chart.

3.3.3 height

Type: float

The height of the chart.

3.3.4 title

Type: str

The title of the chart.

3.3.5 color

Type: str / **Format:** “#FFFFFF”

The color of the bars in the chart.

3.3.6 bar_width

Type: float

The width of the bars in the chart.

3.3.7 alpha

Type: float

The alpha value of the bars.

3.3.8 grid

Type: bool

Add a grid in the background of the chart for better readability.

3.3.9 label

Type: bool

Add the value of each bar at the top of it.

4.1 How to create

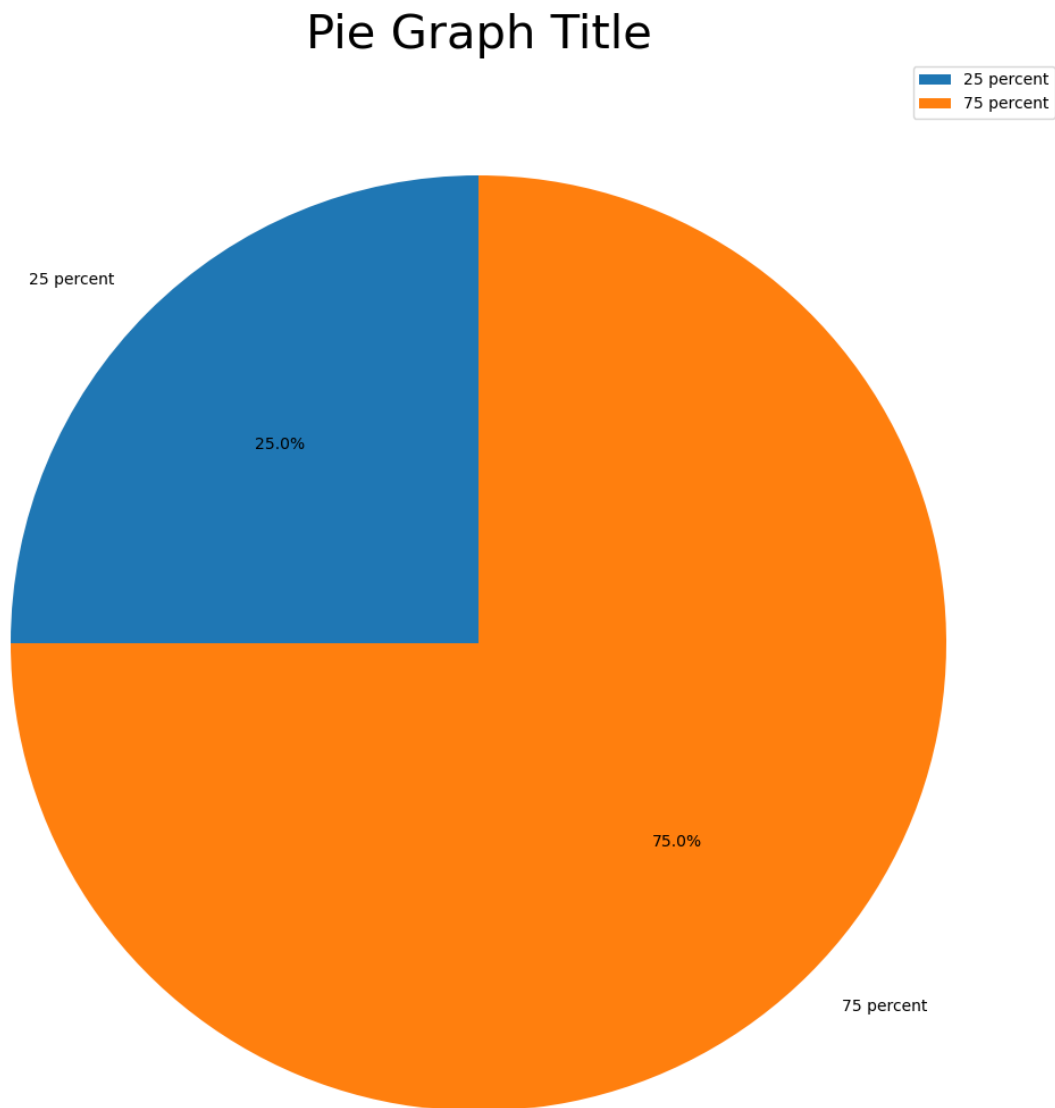
pie (*data*, *, *width* = 0, *height* = 0, *title* = "My Chart", *shadow* = False, *start_angle* = 90, *commas* = 1, *legend* = True)
Create a pie chart and return it.

Parameters

- **data** (*list*) – The data that should be put into the chart.
- **width** (*float*) – The width of the chart
- **height** (*float*) – The height of the chart
- **title** (*str*) – The title of the chart
- **shadow** (*bool*) – Add a shadow to the chart
- **start_angle** (*int*) – Add a start rotation
- **commas** (*int*) – Numbers of commas for the percentage
- **legend** (*bool*) – Add a legend to the chart

Return type plot

4.2 Example



This chart has been created with the following code code:

```
1 import pycharts
2
3 pie_chart = pycharts.pie(title="Pie Chart Title", data=[["25 percent", 25], ["75_
↪percent", 75]])
4 pie_chart.savefig("graphs/pie.png")
```


4.3 Arguments

4.3.1 data

Type: list

The data that should be displayed in the chart. Each data should be stored in a list. Example: `data=[["first element", 10], ["second element", 20]]`. This will create 2 bars, one with the height of 10 and the other one with the height 20.

4.3.2 width

Type: float

The width of the chart.

4.3.3 height

Type: float

The height of the chart.

4.3.4 title

Type: str

The title of the chart.

4.3.5 shadow

Type: bool

Add a shadow to the chart

4.3.6 start_angle

Type: int

Add a start rotation

4.3.7 commas

Type: int

Numbers of commas for the percentage

4.3.8 legend

Type: bool

Add a legend to the chart

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