Color playground

March 24, 2020

1 Adding colors

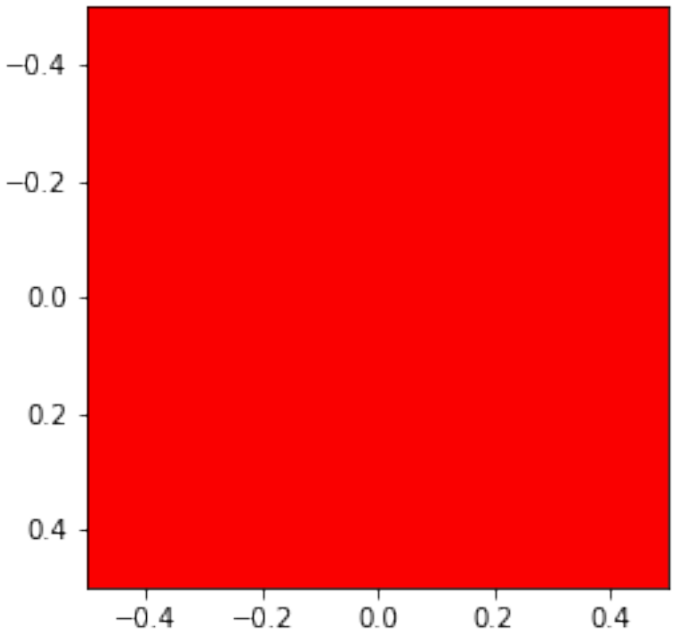
In [6]:
```
# Notice we are importing the color class!

import numpy as np
import color

%matplotlib inline

# Auto-reload function so that this notebook keeps up with
# changes in the class file
%load_ext autoreload
%autoreload 2
```

```
The autoreload extension is already loaded. To reload it, use:
  %reload_ext autoreload
```

1.0.1 Define colors and print them out

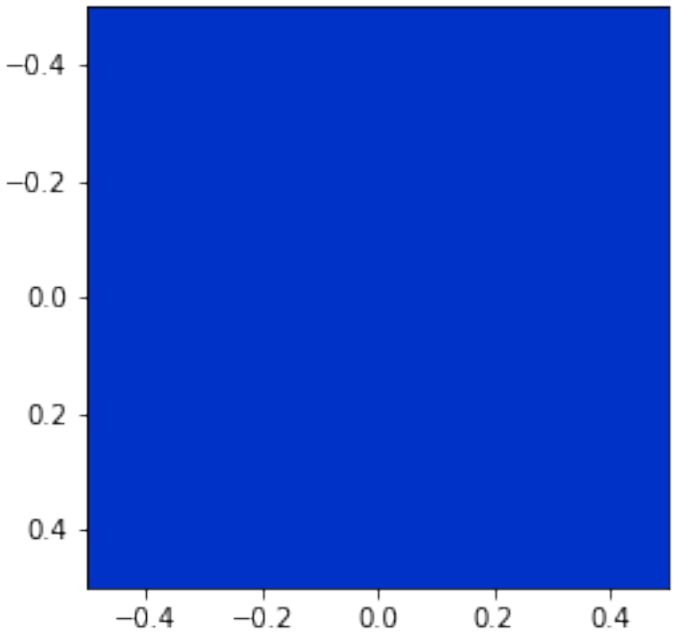
In [7]:
```
color1 = color.Color(250, 0, 0)
print(color1)
```

```
r, g, b = 250, 0, 0
```




```
In [8]: color2 = color.Color(0, 50, 200)
        print(color2)
```

```
r, g, b = 0, 50, 200
```



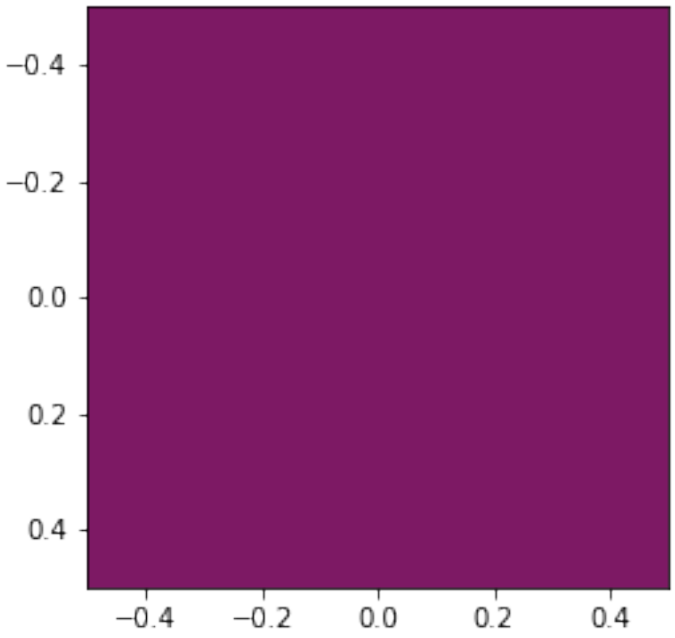
1.0.2 Add the two colors and visualize the result!

Once you've implemented the `__add__` function in the color class, you should be able to add colors with a + operator and display the result!

Remember, to go back to all your files, click on the orange Jupyter icon at the top left of this notebook!

In [12]:
```
# Add the two colors to create a *new* color object
new_color = color1 + color2
print(new_color)
```

```
r, g, b = 125.0, 25.0, 100.0
```



After you've viewed the color above, you can use the below code cell to make sure your add function works as expected!

In [13]:
```
import grader

grader.test_add_colors()
```

```
Nice work! Your colors add as expected.
```

In [ ]:
```
```