

```
In [1]: import numpy as np
```

```
In [2]: import matplotlib.pyplot as plt
```

```
In [4]: from PIL import Image #python image Library (PIL)
```

```
In [13]: img = Image.open('C:\\\\Users\\\\Affan\\\\OneDrive\\\\Desktop\\\\Beauty\\\\the_cat-1.png')
```

```
In [10]: img
```

```
Out[10]:
```



```
In [11]: img1 = Image.open('C:\\\\Users\\\\Affan\\\\OneDrive\\\\Desktop\\\\Beauty\\\\the_cat.png')
```

```
In [12]: img1
```

```
Out[12]:
```



```
In [14]: type(img)
```

```
Out[14]: PIL.PngImagePlugin.PngImageFile
```

```
In [16]: #image conversion to array
img_arr = np.asarray(img)
img_arr
```

```
Out[16]: array([[[ 14,  10,    5, 255],
   [ 14,  10,    5, 255],
   [ 15,  10,    5, 255],
   ...,
   [ 27,  18,   10, 255],
   [ 26,  17,   10, 255],
   [ 27,  18,   10, 255]],

   [[ 15,  10,    6, 255],
   [ 14,  10,    5, 255],
   [ 14,  10,    5, 255],
   ...,
   [ 26,  17,    9, 255],
   [ 28,  19,   10, 255],
   [ 27,  18,   10, 255]],

   [[ 14,  10,    5, 255],
   [ 14,  10,    5, 255],
   [ 14,  10,    5, 255],
   ...,
   [ 26,  17,    9, 255],
   [ 26,  18,    9, 255],
   [ 27,  18,    9, 255]],

   ...,

   [[  2,    3,    7, 255],
   [  2,    3,    7, 255],
   [  2,    3,    7, 255],
   ...,
   [ 94,   74,   57, 255],
   [ 92,   71,   55, 255],
   [ 91,   71,   54, 255]],

   [[  2,    3,    7, 255],
   [  2,    3,    7, 255],
   [  2,    3,    7, 255],
   ...,
   [ 90,   71,   54, 255],
   [ 92,   72,   55, 255],
   [ 91,   71,   55, 255]],

   [[  2,    3,    6, 255],
   [  2,    3,    6, 255],
   [  2,    3,    6, 255],
   ...,
   [ 92,   73,   55, 255],
   [ 93,   74,   56, 255],
   [ 91,   71,   54, 255]]], dtype=uint8)
```

```
In [ ]:
```