

#Convert Image to Array

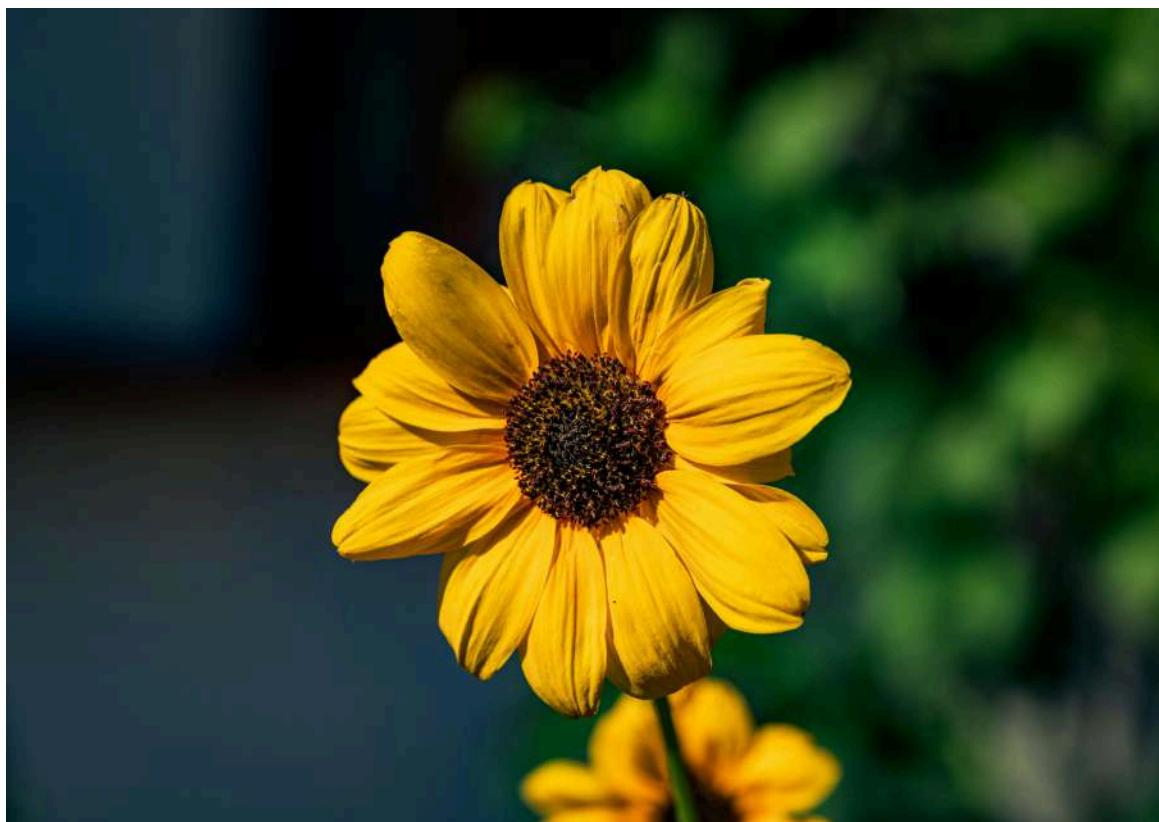
```
In [3]: import numpy as np #array
```

```
In [4]: import matplotlib.pyplot as plt #visualization
```

```
In [5]: from PIL import Image #python image library
```

```
In [6]: Flower_image = Image.open(r'C:\Users\ankus\Downloads\Flower.jpg')
Flower_image
```

```
Out[6]:
```



```
In [7]: Hibiscus_image = Image.open(r'C:\Users\ankus\Downloads\Hibiscus.webp')
Hibiscus_image
```

Out[7]:



```
In [8]: print(type(Flower_image))
print(type(Hibiscus_image))
```

```
<class 'PIL.JpegImagePlugin.JpegImageFile'>
<class 'PIL.WebPImagePlugin.WebPImageFile'>
```

```
In [9]: Flo_arr = np.asarray(Flower_image)
Flo_arr
```

```
Out[9]: array([[[16, 45, 59],  
[20, 49, 63],  
[22, 51, 65],  
...,  
[39, 86, 18],  
[40, 87, 19],  
[40, 87, 19]],  
  
[[14, 43, 57],  
[17, 46, 60],  
[20, 49, 63],  
...,  
[39, 86, 18],  
[41, 88, 20],  
[41, 88, 20]],  
  
[[11, 40, 54],  
[14, 43, 57],  
[17, 46, 60],  
...,  
[38, 85, 17],  
[46, 93, 25],  
[46, 93, 25]],  
  
...,  
  
[[ 0, 30, 32],  
[ 0, 29, 31],  
[ 0, 29, 31],  
...,  
[ 7, 57, 22],  
[ 4, 54, 19],  
[ 6, 56, 21]],  
  
[[ 2, 33, 35],  
[ 1, 32, 34],  
[ 0, 31, 33],  
...,  
[ 6, 56, 21],  
[10, 60, 25],  
[12, 62, 27]],  
  
[[ 5, 36, 38],  
[ 4, 35, 37],  
[ 2, 33, 35],  
...,  
[ 4, 54, 19],  
[13, 63, 28],  
[15, 65, 30]]], dtype=uint8)
```

```
In [10]: plt.imshow(Flo_arr)  
plt.show
```

```
Out[10]: <function matplotlib.pyplot.show(close=None, block=None)>
```



```
In [11]: Flo_arr.shape
```

```
Out[11]: (4032, 5674, 3)
```

```
In [12]: Hib_arr = np.asarray(Hibiscus_image)  
Hib_arr
```

```
Out[12]: array([[[ 43,  73,  13],
   [ 43,  73,  13],
   [ 45,  75,  15],
   ...,
   [ 42,  33,  16],
   [ 43,  34,  17],
   [ 43,  34,  17]],

   [[ 39,  70,   9],
   [ 39,  70,   9],
   [ 42,  72,  12],
   ...,
   [ 42,  33,  16],
   [ 43,  34,  17],
   [ 43,  34,  17]],

   [[ 35,  65,   5],
   [ 35,  65,   5],
   [ 37,  67,   7],
   ...,
   [ 42,  33,  16],
   [ 43,  34,  17],
   [ 43,  34,  17]],

   ...,

   [[ 77,  79,  15],
   [ 69,  73,   6],
   [ 67,  76,   5],
   ...,
   [121, 130,  86],
   [125, 129,  89],
   [127, 128,  89]],

   [[ 87,  81,  19],
   [ 72,  69,   6],
   [ 69,  71,   4],
   ...,
   [122, 131,  87],
   [127, 132,  91],
   [129, 131,  91]],

   [[ 97,  84,  27],
   [ 78,  68,   8],
   [ 71,  68,   3],
   ...,
   [121, 133,  88],
   [129, 136,  95],
   [132, 136,  96]]], dtype=uint8)
```

```
In [13]: plt.imshow(Hib_arr)
plt.show
```

```
Out[13]: <function matplotlib.pyplot.show(close=None, block=None)>
```



```
In [14]: Hib_arr.shape
```

```
Out[14]: (355, 474, 3)
```

```
In [ ]:
```