

RGB MODEL

May 22, 2023

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[1]: import skimage.io as io
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[2]: import numpy as np
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[3]: import matplotlib.pyplot as plt
```

```
[4]: image=io.imread('d4153760-5f91-4d2d-b751-b77902eff4b0.jpg')
```

```
[5]: image
```

```
[5]: array([[247, 189, 167],
           [244, 183, 162],
           [240, 178, 155],
           ...,
           [ 10,   0,   0],
           [ 30,  17,  11],
           [ 70,  57,  51]],

          [[245, 187, 163],
           [246, 186, 162],
           [245, 183, 160],
           ...,
           [ 14,   1,   0],
           [ 19,   6,   0],
           [ 43,  30,  24]],

          [[255, 195, 169],
           [255, 196, 170],
           [255, 193, 168],
           ...,
           [ 19,   8,   4],
           [ 12,   1,   0],
           [ 16,   5,   1]],

          ...,

          [[231, 227, 215],
           [234, 230, 218],
```

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    [234, 230, 218],
    ...,
    [214, 211, 202],
    [213, 210, 201],
    [212, 209, 200]],

    [[232, 228, 216],
    [236, 232, 220],
    [238, 234, 222],
    ...,
    [216, 213, 204],
    [215, 212, 203],
    [214, 211, 202]],

    [[233, 229, 217],
    [239, 235, 223],
    [241, 237, 225],
    ...,
    [216, 213, 204],
    [215, 212, 203],
    [214, 211, 202]]], dtype=uint8)

```

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[6]: red=image[:, :, 0]
     blue=image[:, :, 1]
     green=image[:, :, 2]

```

```

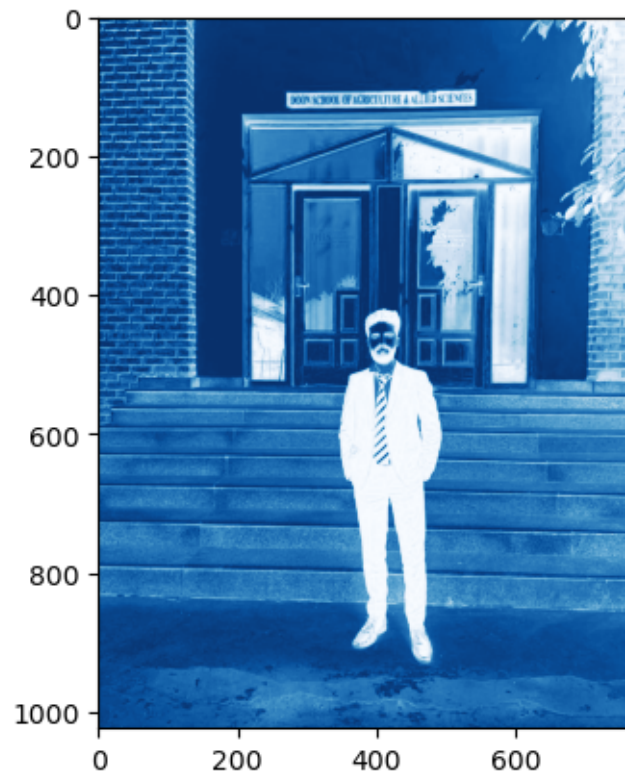
[7]: plt.imshow(red, cmap='Blues')

```

```

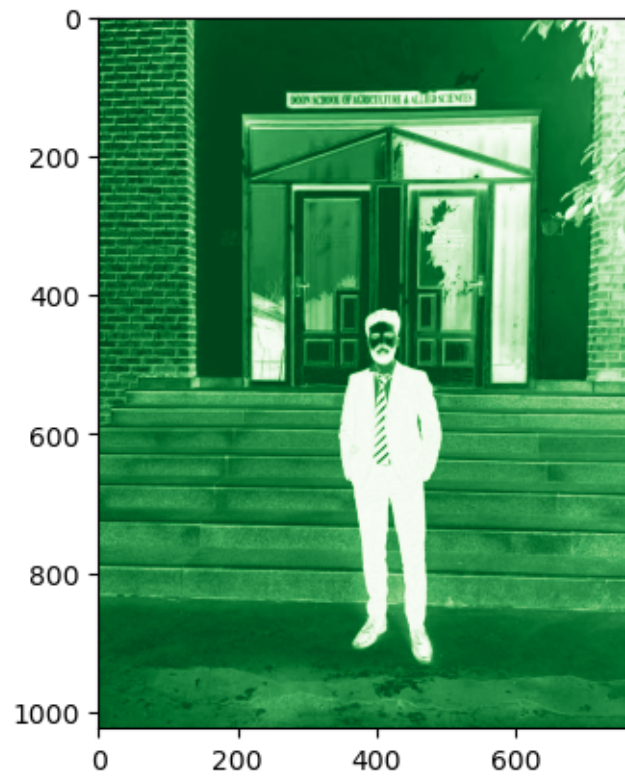
[7]: <matplotlib.image.AxesImage at 0x206a4ce6610>

```



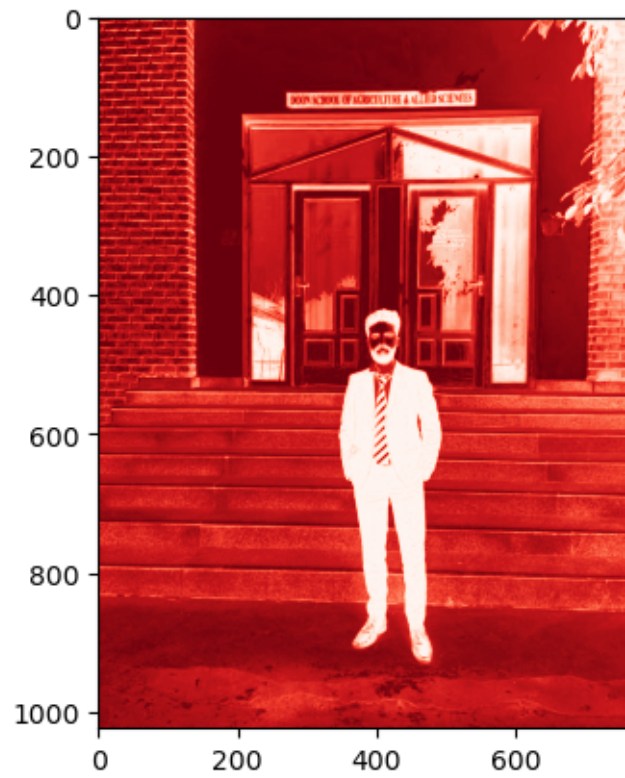
```
[8]: plt.imshow(red, cmap='Greens')
```

```
[8]: <matplotlib.image.AxesImage at 0x206a4e59040>
```



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[9]: plt.imshow(red, cmap='Reds')
```

```
[9]: <matplotlib.image.AxesImage at 0x206a4ebd1f0>
```



[]: