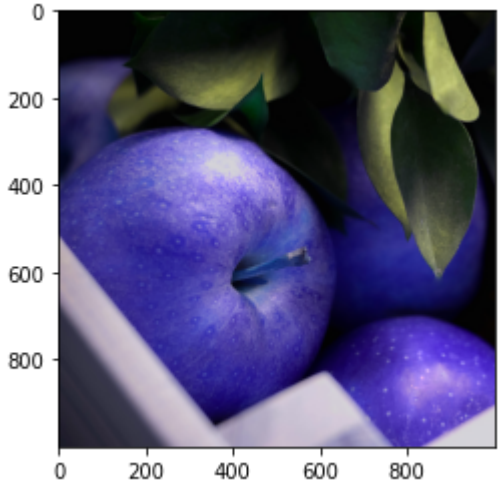
```
import tensorflow as tf
import matplotlib.pyplot as plt
```

```
import cv2
img=cv2.imread('/content/5.jpg')
plt.imshow(img)
```

```
<matplotlib.image.AxesImage at 0x7fe23edc7978>
```




```
img.shape
```

```
(1000, 1000, 3)
```

```
model=tf.keras.Sequential([
tf.keras.layers.Conv2D(32,(2,2),input_shape=(1000,1000,3),activation='relu'),
tf.keras.layers.MaxPooling2D(2,2)
])
```

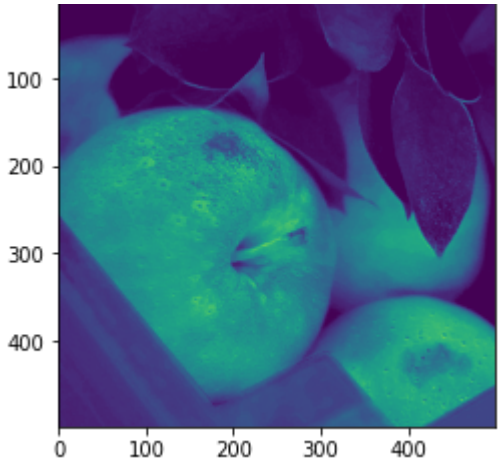
```
import numpy as np
from keras.preprocessing import image
img=image.img_to_array(img)
img=tf.reshape(img,(1,1000,1000,3))
```

```
out=model.predict(img)
out.shape
```

```
(1, 499, 499, 32)
```

```
out=tf.reshape(out,(499,499,32))
```

```
for i in range(10):
  plt.imshow(out[0:499,0:499,i])
  plt.show()
```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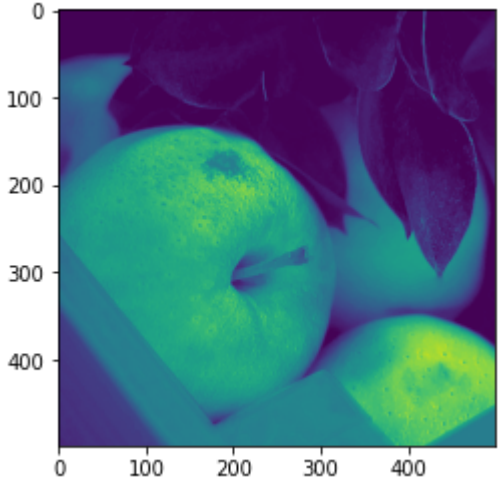
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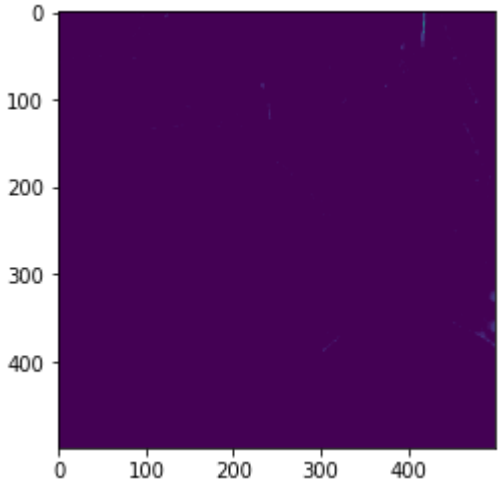
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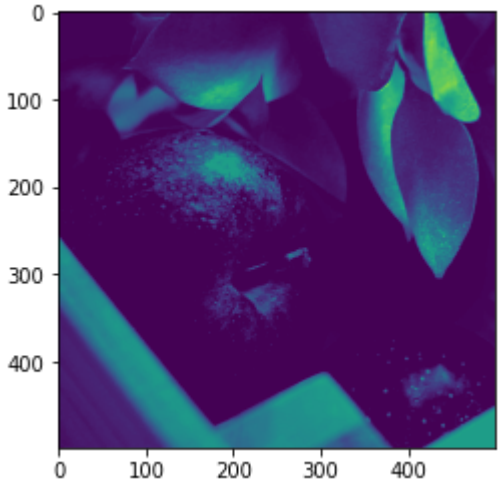
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