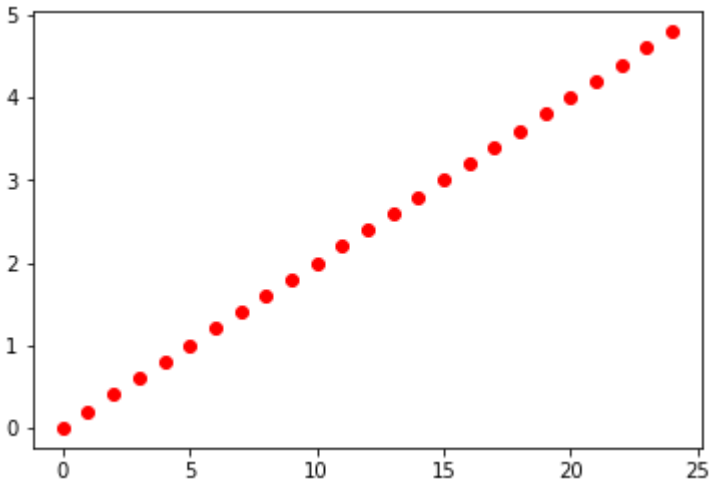
In [1]:
```
import numpy as np
```

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

In [3]:
```
t = np.arange(0, 5, 0.2)
```

In [4]:
```
plt.plot(t, 'ro')
```

Out[4]:
```
[<matplotlib.lines.Line2D at 0x1833da18148>]
```

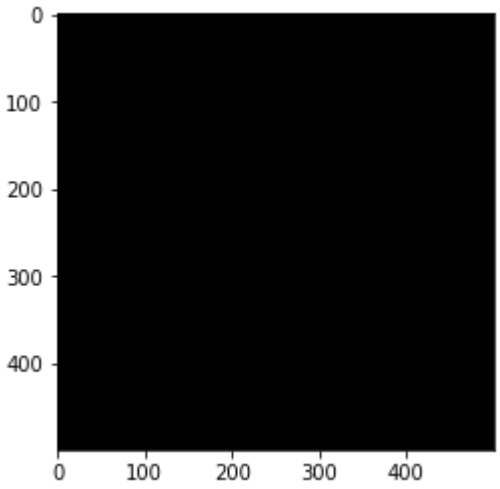


In [5]:
```
import cv2
```

In [6]:
```
img = np.zeros(shape=(500,500,3), dtype=np.int16)
```

In [7]:
```
plt.imshow(img)
```

Out[7]:
```
<matplotlib.image.AxesImage at 0x18324b8fd08>
```



In [8]:
```
img.shape
```

Out[8]:
```
(500, 500, 3)
```

CARGAR UNA IMAGEN

In [9]:
```
pwd
```

Out[9]:
```
'C:\\Users\\usuario\\OneDrive\\CURSOS\\INTELIGENCIA COMPUTACIONAL'
```

Cambiar de directorio --> cd (change directory)

Si tiene problema con el cambio de directorio en el entorno de desarrollo particular que utilicen, busquen información específica sobre: Cómo cambiar el camino de Python...

In [10]:
```
cd E:\CURSOS\PROCESAMIENTO DE IMAGENES\IMAGENES
```

```
E:\CURSOS\PROCESAMIENTO DE IMAGENES\IMAGENES
```

In [11]:
```
img = cv2.imread('perro02.jpg')
```

In [13]:
```
img = cv2.cvtColor(img, cv2.COLOR_BGR2RGB)
```

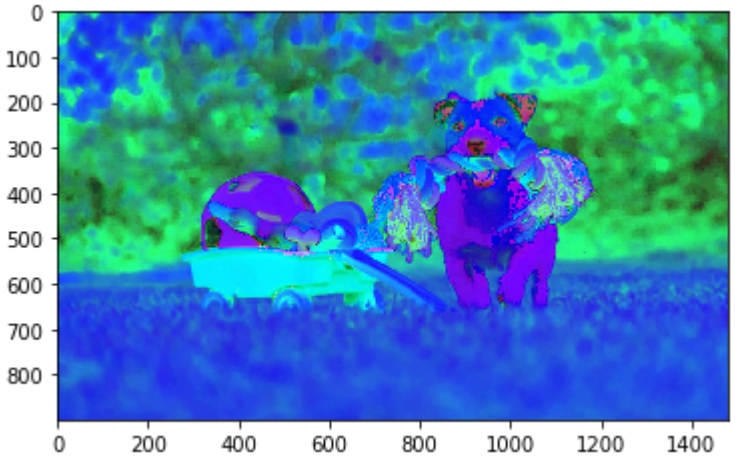
In [14]:
```
plt.imshow(img)
```

Out[14]:
```
<matplotlib.image.AxesImage at 0x1834152f948>
```

In [15]:
```
img2 = cv2.cvtColor(img, cv2.COLOR_RGB2HSV)
```

In [16]:
```
plt.imshow(img2)
```

Out[16]:
```
<matplotlib.image.AxesImage at 0x18341ed7608>
```



In [17]:
```
cv2.imwrite('Imagen Curso.tif', img2)
```

Out[17]:
```
True
```

In [18]:
```
img.shape
```

Out[18]:
```
(900, 1480, 3)
```

In [ ]:
```

```