```python
from PIL import Image
import numpy as np

im = Image.open("Lenna.jpg")
print(im.format)
print(im.size)
print(im.mode)

arr = np.array(im.copy())
print(type(arr))
print(arr.shape)

for y in range(arr.shape[0]):
    for x in range(arr.shape[1]):
        akum = (int(arr[y,x,0])+int(arr[y,x,1])+int(arr[y,x,2]))
        tmp = max(min(int(akum/3),255),0)
        arr[y,x] = [tmp,tmp,tmp]

im2 = Image.fromarray(arr)
print(im2.mode)
im3 = Image.fromarray(np.hstack((np.array(im),np.array(im2))))
im3.show()
```