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import numpy as np

import matplotlib.pyplot as plt

import skimage.io as io

from copy import deepcopy

koala=io.imread('koala.jpg')

red\_channel= deepcopy(koala)

green\_channel= deepcopy(koala)

blue\_channel= deepcopy(koala)

red\_channel[:,:,1]=0

red\_channel[:,:,2]=0

green\_channel[:,:,0]=0

green\_channel[:,:,2]=0

blue\_channel[:,:,0]=0

blue\_channel[:,:,1]=0

fig, ax = plt.subplots(ncols=2, nrows=2)

ax[0,0].imshow(koala)

ax[0,0].set\_title('')

ax[0,1].imshow(red\_channel)

ax[0,1].set\_title('')

ax[1,0].imshow(green\_channel)

ax[1,0].set\_title('')

ax[1,1].imshow(blue\_channel)

ax[1,1].set\_title('')

plt.show()



