```
from tensorflow.keras.preprocessing.image import load_img, img_to_array
from keras.applications.vgg16 import preprocess_input, decode_predictions, VGG16
from google.colab import files


image = load_img('/content/cup.jpeg', target_size=(224, 224))
image = img_to_array(image)

image = image.reshape((1, image.shape[0], image.shape[1],image.shape[2]))

image = preprocess_input(image)

model = VGG16()

prdn = model.predict(image)

label = decode_predictions(prdn)

label = label[0][0]

print('%s(%.2f%%)' % (label[1], label[2]*100))
```

```
WARNING:tensorflow:5 out of the last 5 calls to <function Model.make_predict_function.<locals>.predict_function at 0x7ca0b4a38280>
1/1 [==============================] - 1s 645ms/step
cup(69.83%)
```

```
image
```

```
array([[[[-72.939   , -67.779   , -67.68    ],
         [-72.939   , -67.779   , -67.68    ],
         [-73.939   , -68.779   , -68.68    ],
         ...,
         [-52.939003, -59.779   , -55.68    ],
         [-62.939003, -70.779   , -68.68    ],
         [-63.939003, -71.779   , -69.68    ]],

        [[-72.939   , -67.779   , -67.68    ],
         [-72.939   , -67.779   , -67.68    ],
         [-73.939   , -68.779   , -68.68    ],
         ...,
         [-50.939003, -57.779   , -53.68    ],
         [-60.939003, -68.779   , -66.68    ],
         [-61.939003, -69.779   , -67.68    ]],

        [[-71.939   , -66.779   , -66.68    ],
         [-71.939   , -66.779   , -66.68    ],
         [-72.939   , -67.779   , -67.68    ],
         ...,
         [-46.939003, -54.779   , -52.68    ],
         [-57.939003, -65.779   , -63.68    ],
         [-57.939003, -65.779   , -63.68    ]],

        ...,

        [[-56.939003, -46.779   , -21.68    ],
         [-58.939003, -48.779   , -23.68    ],
         [-57.939003, -45.779   , -20.68    ],
         ...,
         [-49.939003, -36.779   , -13.68    ],
         [-53.939003, -45.779   , -21.68    ],
         [-53.939003, -45.779   , -21.68    ]],

        [[-54.939003, -44.779   , -19.68    ],
         [-59.939003, -49.779   , -24.68    ],
         [-57.939003, -45.779   , -20.68    ],
         ...,
         [-49.939003, -36.779   , -13.68    ],
         [-57.939003, -49.779   , -25.68    ],
         [-57.939003, -49.779   , -25.68    ]],

        [[-53.939003, -43.779   , -18.68    ],
         [-60.939003, -50.779   , -25.68    ],
         [-57.939003, -45.779   , -20.68    ],
         ...,
         [-53.939003, -40.779   , -17.68    ],
         [-46.939003, -38.779   , -14.68    ],
         [-46.939003, -38.779   , -14.68    ]]]], dtype=float32)
```