

[Main Page](#)[Related Pages](#)[Namespaces](#) ▾[Classes](#) ▾[Files](#) ▾[Examples](#)[Java documentation](#)[Q ▾ Search](#)[OpenCV Tutorials](#) › [Introduction to OpenCV](#) ›

Getting Started with Images

[Prev Tutorial: Building OpenCV for Tegra with CUDA](#)[Next Tutorial: Writing documentation for OpenCV](#)

Original author	Ana Huamán
Compatibility	OpenCV >= 3.4.4

Table of Contents

- ↓ Goal
- ↓ Source Code
- ↓ Explanation

Warning

This tutorial can contain obsolete information.

Goal

In this tutorial you will learn how to:

- Read an image from file (using `cv::imread`)
- Display an image in an OpenCV window (using `cv::imshow`)
- Write an image to a file (using `cv::imwrite`)

Source Code

[C++](#)[Python](#)

- **Downloadable code:** [Click here](#)
- **Code at glance:**

```
#include <opencv2/core.hpp>
#include <opencv2/imgcodecs.hpp>
#include <opencv2/highgui.hpp>

#include <iostream>
using namespace cv;
```