

image Package Reference Manual

build **passing**

image is the [Torch7 distribution](#) package for processing images. It contains a wide variety of functions divided into the following categories:

- [Saving and loading](#) images as JPEG, PNG, PPM and PGM;
- [Simple transformations](#) like translation, scaling and rotation;
- [Parameterized transformations](#) like convolutions and warping;
- [Simple Drawing Routines](#) like drawing text or a rectangle on an image;
- [Graphical user interfaces](#) like display and window;
- [Color Space Conversions](#) from and to RGB, YUV, Lab, and HSL;
- [Tensor Constructors](#) for creating Lenna, Fabio and Gaussian and Laplacian kernels;

Note that unless specified otherwise, this package deals with images of size `nChannel x height x width`.

Install

The easiest way to install this package is by following the [instructions](#) to install [Torch7](#), which includes **image**. Otherwise, to update or manually re-install it:

```
$ luarocks install image
```

You can test your install with:

```
$ luajit -limage -e "image.test()"
```

Usage

```
> require 'image'  
> l = image.lena()  
> image.display(l)  
> f = image.fabio()  
> image.display(f)
```