


# ImgLib2 - ACCESSIBLES

In ImgLib2, images are represented by *Accessibles*. *Image* here refers to any (partial) function from coordinates to values.

In the previous section we have seen how pixel values can be manipulated using Accessors. Accessors are obtained from *Accessibles*. For example we have used

?  `final UnsignedByteType > cursor =  
1 img.localizingCursor();`

to obtain an iterating accessor from the Accessible **img**.

*Accessibles* represent the data itself. Pixel images, procedurally generated images, views into images (for instance sub-images), interpolated images, sparse collections of samples, the list of local intensity maxima of an image, list of nearest neighbors, *etc.*, are all examples of Accessibles.

The UML diagram below shows the integer part of the *Accessible* interface hierarchy. We will look at the full diagram including Accessibles for real coordinates later. *Accessible* interfaces have been highlighted.

## ImgLib2

### Topics

[\[-\]](#)
[Overview](#)
[Benchmarks](#)
[FAQ](#)

### Tutorials

[\[-\]](#)
[Getting Started](#)
[Accessors](#)

### Accessibles

[ImgLib2 Examples](#)
[Introductory Workshop](#)
[Advanced Programming Workshop](#)
[Into ImgLib - Generic Image Processing in Java](#)
[Creating Imglib2 images in MATLAB](#)

### Development

[\[-\]](#)
[Developing ImgLib2](#)
[ImgLib2 Discussion](#)
