

II IMAGE TYPES: LOSSY COMPRESSION AND METADATA

Two critical aspects to keep in mind when converting images:

Lossy compression Transcoding an image into a format that uses lossy compression will alter the original data, introducing artifacts (*see X Warning on JPEG Compression*). This is the case, e.g., for JPEG formats (with the exception of some JPEG2000 images that use lossless compression). As such, these types of data are intended for human interpretation only and are not suitable for quantitative analyses

Metadata In ImageJ, metadata associated with the image, such as scale, gray value calibration and user comments is only supported in tiff and zip (compressed tiff) images. In addition, selections and Overlays are also saved in the TIFF header (cf. File▷Save [s]). None of the above is saved in other formats (cf. Native Formats).