



PSPDFKit

Supported Annotation Types

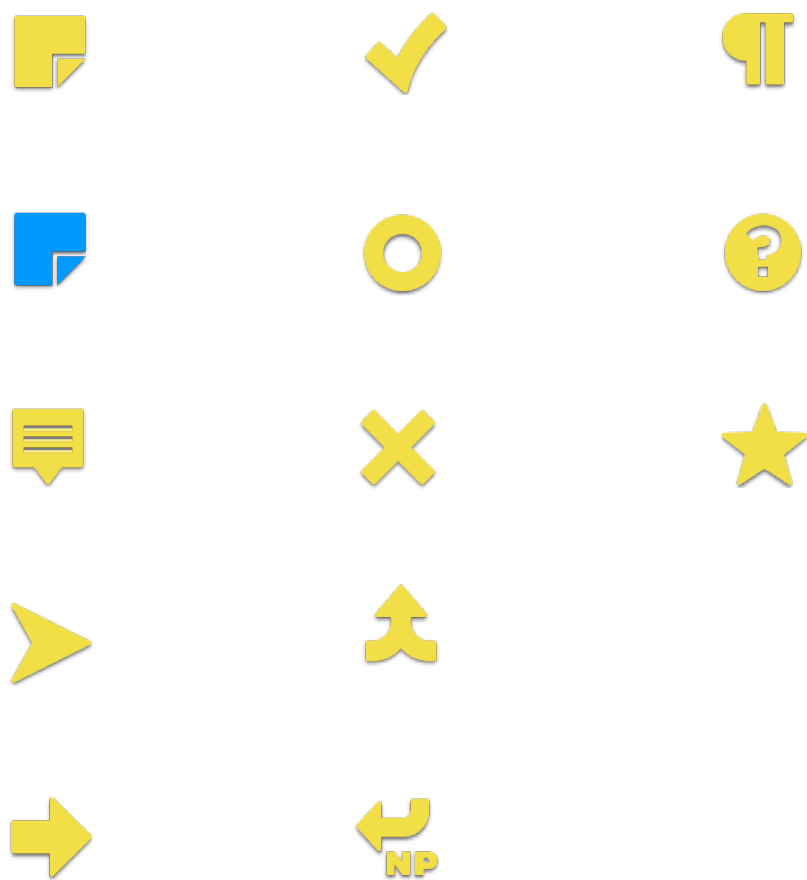
PSPDFKit supports almost all PDF annotation types defined in the PDF Reference 1.7. Here, you'll find examples of the supported types.

Note Annotations	2
Highlight Annotations	3
Free Text Annotations	4
Stamp Annotations	5
Ink Annotations	6
Line Annotations	7
Rectangle/Oval Annotations	8
Polyline/Polygon Annotations	9
File Annotations	10
Video Annotations	11
Caret Annotations	12
Widget Annotations	13
Sound Annotations	14
Link Annotations	15

Note Annotations

Note annotations are represented as overlay icons attached to a point on a PDF. When selected, they show the text set inside. PSPDFKit provides custom images for the types defined in the PDF Reference (Comment, Key, Note, Help, NewParagraph, Paragraph, Insert) and some other commonly used types. Note images are dynamically colored.

Notes can also have optional replies with associated review states to help in decision-making processes.



AVAILABLE ON:  Web  iOS  Android  Windows  Mac Catalyst

Highlight Annotations

Highlight annotations (or text markup annotations in the [PDF Reference](#)) work on **text** rects and should only be created if there's actual text on a PDF and not an image. PSPDFKit currently supports Highlight, Underline, StrikeOut, and Squiggly lines.

Highlight annotations have both a bounding box and an array of rects (the highlighted words). PSPDFKit has some **helpers** that will calculate the smallest fitting bounding box for the array of rects. If a **highlight annotation contains a note**, PSPDFKit will display it slightly different to show this.

AVAILABLE ON:



Web



iOS



Android



Windows



Mac Catalyst

Free Text Annotations

Free text annotations show their text directly on the page, and they don't have a hidden note field. They can have various options — such as borders, fill colors, font sizes and names, and more.

Free text annotations can also display in a callout mode, in which text can be associated with specific page content using an arrow.

Free text without border or fill color

Free text with dotted border, fill color, and 100% opacity

Free text with fill color and 70% opacity

AVAILABLE ON:



Web



iOS



Android



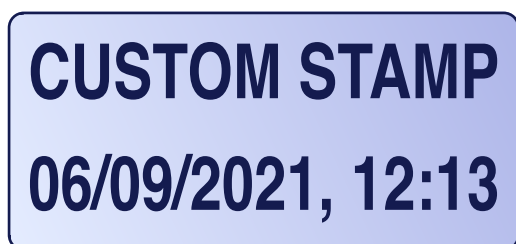
Windows



Mac Catalyst

Stamp Annotations

Stamp annotations can contain an entire PDF as a data source. In PSPDFKit, this can be read, and the framework supports the old default annotations (e.g. ACCEPTED, REJECTED), a mode that creates custom stamps, and (more common) image stamps. The image feature of PSPDFKit uses stamp annotations as well.



AVAILABLE ON:



Web



iOS



Android



Windows



Mac Catalyst

Ink Annotations

Ink annotations represent freehand drawings made up of multiple strokes or lines. PSPDFKit has several helper functions for this. A border set will be applied to the whole line.



AVAILABLE ON:



Web



iOS



Android



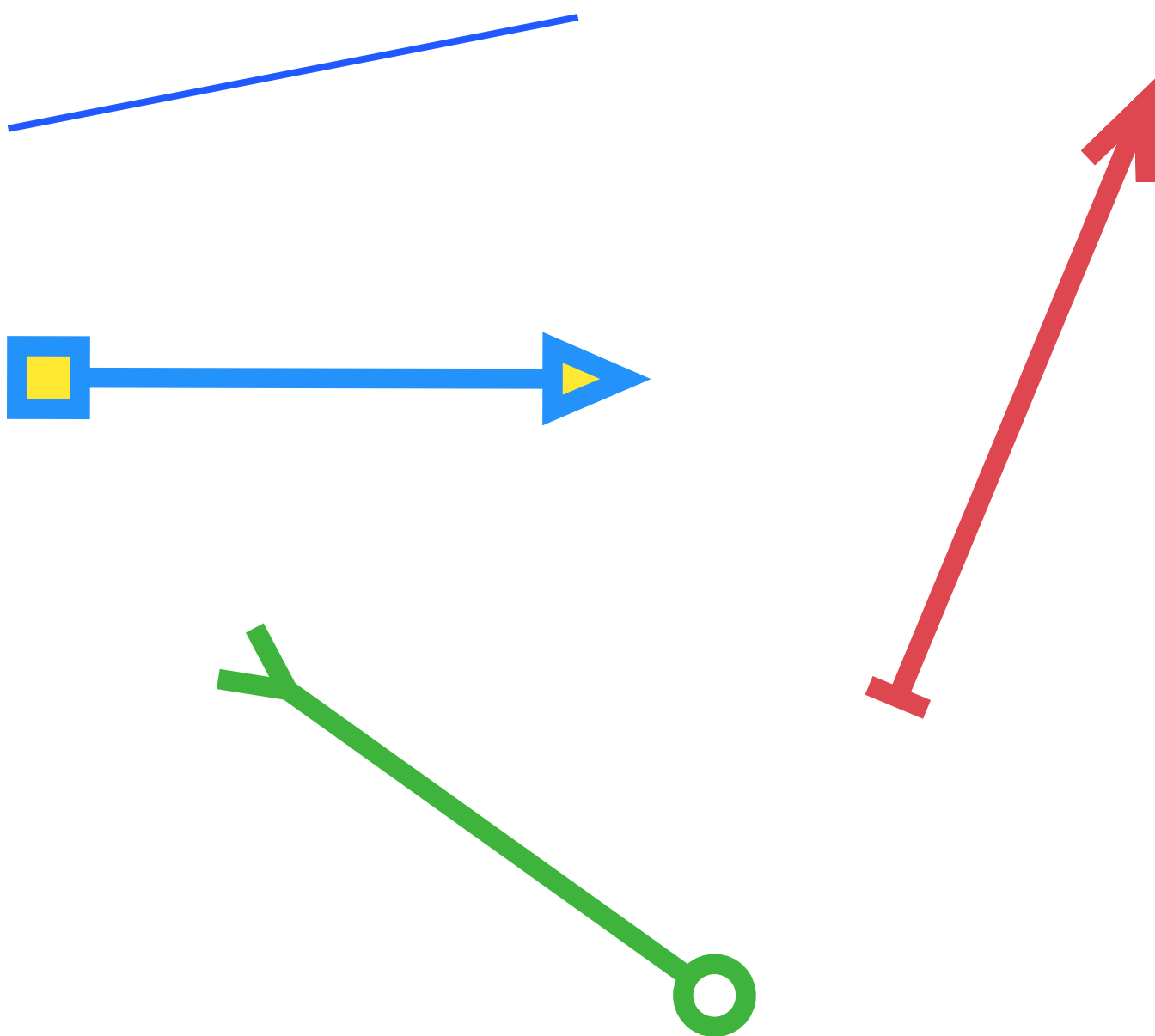
Windows



Mac Catalyst

Line Annotations

Line annotations show single straight lines on a page. PSPDFKit supports all line endings defined in the PDF Reference. The most common type is an arrow.



AVAILABLE ON:



Web



iOS



Android



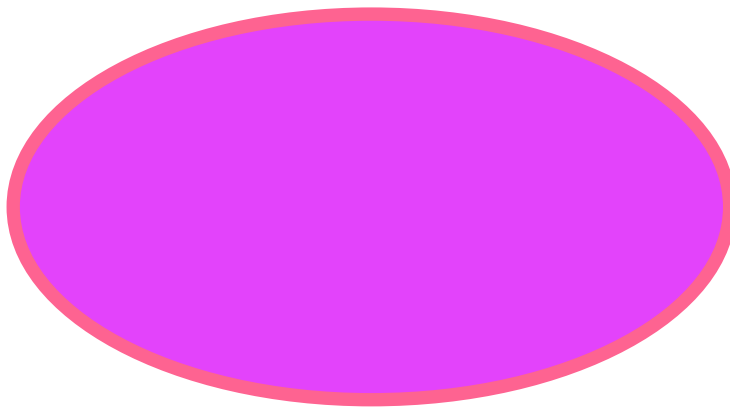
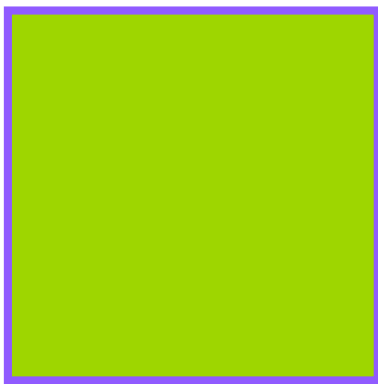
Windows



Mac Catalyst

Rectangle/Oval Annotations

Square and circle annotations display rectangles and ellipses, respectively. The color and fill color can be set independently, but the entire annotation has the same opacity value.



AVAILABLE ON:



Web



iOS



Android



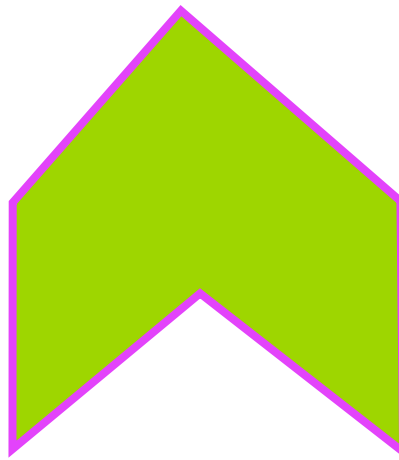
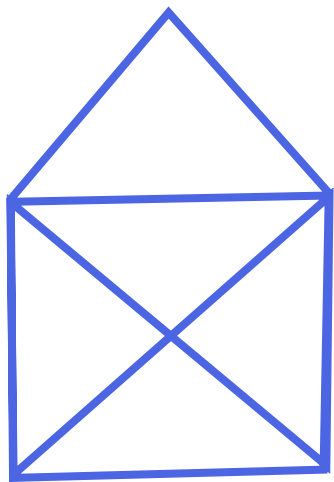
Windows



Mac Catalyst

Polyline/Polygon Annotations

Polygon annotations show closed polygons on the page. They can have any number of vertices connected by straight lines. Polyline annotations are similar to polygons; however, the first and last vertices aren't implicitly connected.



AVAILABLE ON:



Web



iOS



Android



Windows



Mac Catalyst

File Annotations

File attachment annotations contain references to files, which are typically embedded in a PDF file. PSPDFKit can be used to access these attached files and view them.



Video Annotations

Screen annotations specify the area of a page where media clips can be played. They also can be objects that trigger specific actions. PSPDFKit supports the matching Rendition Actions to control the video play state.

PSPDFKit also supports the matching RichMediaExecute action to control video state.



AVAILABLE ON:



iOS



Android



Mac Catalyst

Caret Annotations

Caret annotations are visual symbols that indicate the presence of text edits. They're similar to note (text) annotations.

AVAILABLE ON:  iOS  Android  Mac Catalyst

Widget Annotations

Widget annotations are mostly used for interactive forms or buttons. The rendering of widgets is covered in an appearance stream, which is basically a second PDF.

AVAILABLE ON:



iOS



Android



Mac Catalyst

Sound Annotations

Sound annotations are similar to text annotations, with the exception that instead of a text note, they contain sounds recorded from the computer's microphone or imported from a file. Sound is played when the annotation is activated.



AVAILABLE ON:



iOS



Android



Mac Catalyst

Link Annotations

Link annotations can represent a hypertext link to a destination in a document or a different action. PSPDFKit supports all common action types – including Named Actions like `NextPage`, `PrevPage`, `FirstPage`, `LastPage`, and `GoToR` (to link to a different document) – and even basic JavaScript (for page changes).

PSPDFKit also supports a variety of multimedia extensions to the link annotation type using `'pspdfkit:/'` as the URL handler. [Visit our website to learn more.](#)

Link to the first page



AVAILABLE ON:



Web



iOS



Android



Windows



Mac Catalyst