



Components

React-pdf follows the [React primitives](#) specification, making the learning process very straightforward if you come from another React environment (such as react-native). Additionally, it implements custom Component types that allow you to structure your PDF document.

Document

This component represents the PDF document itself. It *must* be the root of your tree element structure, and under no circumstances should it be used as child of another react-pdf component. In addition, it should only have children of type `<Page />`.

Valid props

Prop name	Description	Type	Default
title	Sets title info on the document's metadata	String	undefined
author	Sets author info on the document's metadata	String	undefined
subject	Sets subject info on the document's metadata	String	undefined
keywords	Sets keywords associated info on the document's metadata	String	undefined
creator	Sets creator info on the document's metadata	String	"react-pdf"
producer	Sets producer info on the document's metadata	String	"react-pdf"
pdfVersion	Sets PDF version for generated document	String	"1.3"
language	Sets PDF default language	String	undefined
pageMode	Specifying how the document should be displayed when opened	PageMode	useNone
pageLayout	This controls how (some) PDF viewers choose to show pages	PageLayout	singlePage
onRender	Callback after document renders. Receives document blob argument in web	Function	undefined

PageMode type

pageMode prop can take one of the following values. Take into account some viewers might ignore this setting.

Value	Description
useNone	Neither document bookmarks nor thumbnail images visible
useOutlines	Document bookmarks visible
useThumbs	Thumbnail images visible
fullScreen	Full-screen mode, with no menu bar, window controls, or any other window visible
useOC	Optional content group panel visible
useAttachments	Attachments panel visible

PageLayout type

pageLayout prop can take one of the following values. Take into account some viewers might ignore this setting.

Value	Description
singlePage	Display one page at a time
oneColumn	Display the pages in one column
twoColumnLeft	Display the pages in two columns, with odd numbered pages on the left
twoColumnRight	Display the pages in two columns, with odd numbered pages on the right
twoPageLeft	Display the pages two at a time, with odd-numbered pages on the left
twoPageRight	Display the pages two at a time, with odd-numbered pages on the right

Page

Represents single page inside the PDF documents, or a subset of them if using the wrapping feature. A **<Document />** can contain as many pages as you want, but ensures not rendering a page inside any component besides Document.

Valid props

Prop name	Description	Type	Default
size	Defines page size. If <i>String</i> , must be one of the available page sizes . Height is optional, if omitted it will behave as "auto".	<i>String, Array, Number, Object</i>	<i>"A4"</i>
orientation	Defines page orientation. <i>Valid values: "portrait" or "landscape"</i>	<i>String</i>	<i>"portrait"</i>
wrap	Enables page wrapping for this page. See more	<i>Boolean</i>	<i>true</i>
style	Defines page styles. See more	<i>Object, Array</i>	<i>undefined</i>
debug	Enables debug mode on page bounding box. See more	<i>Boolean</i>	<i>false</i>
dpi	Enables setting a custom DPI for page contents.	<i>Number</i>	<i>72</i>
id	Destination ID to be linked to. See more	<i>String</i>	<i>undefined</i>
bookmark	Attach bookmark to element. See more	<i>String</i> or Bookmark	<i>undefined</i>

View

The most fundamental component for building a UI and is designed to be nested inside other views and can have 0 to many children.

Valid props

Prop name	Description	Type	Default
wrap	Enable/disable page wrapping for element. See more	<i>Boolean</i>	<i>true</i>
style	Defines view styles. See more	<i>Object, Array</i>	<i>undefined</i>
render	Render dynamic content based on context. See more	<i>Function</i>	<i>undefined</i>
debug	Enables debug mode on view bounding box. See more	<i>Boolean</i>	<i>false</i>
fixed	Render component in all wrapped pages. See more	<i>Boolean</i>	<i>false</i>
id	Destination ID to be linked to. See more	<i>String</i>	<i>undefined</i>
bookmark	Attach bookmark to element. See more	<i>String</i> or Bookmark	<i>undefined</i>

Image

A React component for displaying network or local (Node only) JPG or PNG images, as well as base64 encoded image strings.

Valid props

Prop name	Description	Type	Default
src	Source of the image. See more	Source object	undefined
source	Alias of <i>src</i> . See more	Source object	undefined
style	Defines view styles. See more	Object, Array	undefined
debug	Enables debug mode on view bounding box. See more	Boolean	false
fixed	Renders component in all wrapped pages. See more	Boolean	false
cache	Enables image caching between consecutive renders	Boolean	true
bookmark	Attach bookmark to element. See more	String or Bookmark	undefined

Source object

Defines the source of an image. Can be in any of these four valid forms:

Form type	Description	Example
String	Valid image URL or filesystem path (Node only)	<code>www.react-pdf.org/test.jpg</code>
URL object	Enables to pass extra parameters on how to fetch images	<code>{ uri: valid-url, method: 'GET', headers: {}, body: '' }</code>
Buffer	Renders image directly from Buffer. Image format (png or jpg) will be guessed based on Buffer.	<code>Buffer</code>
Data buffer	Renders buffer image via the <i>data</i> key. It's also recommended to provide the image <i>format</i> so the engine knows how to process it	<code>{ data: Buffer, format: 'png' \ 'jpg' }</code>

Form type	Description	Example
Function	A function that returns (can also return a promise that resolves to) any of the above formats	<code>() => String \ Promise<String></code>

Text

A React component for displaying text. Text supports nesting of other Text or Link components to create inline styling.

Valid props

Prop name	Description	Type	Default
wrap	Enables/disables page wrapping for element. See more	Boolean	true
render	Renders dynamic content based on context. See more	Function	undefined
style	Defines view styles. See more	Object, Array	undefined
debug	Enables debug mode on view bounding box. See more	Boolean	false
fixed	Renders component in all wrapped pages. See more	Boolean	false
hyphenationCallback	Specify hyphenation callback at a text level. See hyphenation	Function	undefined
id	Destination ID to be linked to. See more	String	undefined
bookmark	Attach bookmark to element. See more	String or Bookmark	undefined

Link

A React component for displaying an hyperlink. Link's can be nested inside a Text component, or being inside any other valid primitive.

Valid props

Prop name	Description	Type	Default
src	Valid URL or destination ID. ID must be prefixed with # . See more	String	undefined
wrap	Enable/disable page wrapping for element. See more	Boolean	true
style	Defines view styles. See more	Object, Array	undefined
debug	Enables debug mode on view bounding box. See more	Boolean	false
fixed	Render component in all wrapped pages. See more	Boolean	false
bookmark	Attach bookmark to element. See more	String or Bookmark	undefined

Note

A React component for displaying a note annotation inside the document.

Valid props

Prop name	Description	Type	Default
style	Defines view styles. See more	Object, Array	undefined
children	Note string content	String	undefined
fixed	Renders component in all wrapped pages. See more	Boolean	false

Canvas

A React component for freely drawing any content on the page.

Valid props

Prop name	Description	Type	Default
style	Defines view styles. See more	<i>Object, Array</i>	<i>undefined</i>
paint	Painter function	<i>Function</i>	<i>undefined</i>
debug	Enables debug mode on view bounding box. See more	<i>Boolean</i>	<i>false</i>
fixed	Renders component in all wrapped pages. See more	<i>Boolean</i>	<i>false</i>
bookmark	Attach bookmark to element. See more	<i>String or Bookmark</i>	<i>undefined</i>

React-pdf does not check how much space your drawing takes, so make sure you always define a **width** and **height** on the **style** prop.

Painter function

Prop used to perform drawings inside the Canvas. It takes 3 arguments:

- **Painter object** : Wrapper around *pdfkit* drawing methods. Use this to draw inside the Canvas
- **availableWidth** : Width of the Canvas element.
- **availableHeight** : Height of the Canvas element.

Painter object

Wrapper around *pdfkit* methods you can use to draw inside the Canvas. All operations are chainable. For more information about how these methods work, please refer to [pdfkit documentation](#).

Available methods:

- dash
- clip
- save
- path
- fill

- font
- text
- rect
- scale
- moveTo
- lineTo
- stroke
- rotate
- circle
- lineCap
- opacity
- ellipse
- polygon
- restore
- lineJoin
- fontSize
- fillColor
- lineWidth
- translate
- miterLimit
- strokeColor
- fillOpacity
- roundedRect
- strokeOpacity
- bezierCurveTo
- quadraticCurveTo
- linearGradient
- radialGradient

PDFViewer **Web only**

Iframe PDF viewer for client-side generated documents.

Valid props

Prop name	Description	Type	Default
style	Defines iframe styles	<i>Object, Array</i>	<i>undefined</i>
className	Defines iframe class name	<i>String</i>	<i>undefined</i>
children	PDF document implementation	<i>Document</i>	<i>undefined</i>
width	Width of embedded PDF iframe	<i>String, Number</i>	<i>undefined</i>
height	Height of embedded PDF iframe	<i>String, Number</i>	<i>undefined</i>
showToolBar	Render the toolbar. Supported on Chrome, Edge and Safari	<i>Boolean</i>	<i>true</i>

Other props are passed through to the iframe.

PDFDownloadLink **Web only**

Anchor tag to enable generate and download PDF documents on the fly. Refer to **on the fly rendering** for more information.

Valid props

Prop name	Description	Type	Default
document	PDF document implementation	<i>Document</i>	<i>undefined</i>
fileName	Download PDF file name	<i>String</i>	<i>undefined</i>
style	Defines anchor tag styles	<i>Object, Array</i>	<i>undefined</i>
className	Defines anchor tag class name	<i>String</i>	<i>undefined</i>
children	Anchor tag content	<i>DOM node, Function</i>	<i>undefined</i>

BlobProvider Web only

Easy and declarative way of getting document's blob data without showing it on screen. Refer to on the fly rendering for more information.

Valid props

Prop name	Description	Type	Default
document	PDF document implementation	<i>Document</i>	<i>undefined</i>
children	Render prop with blob, url, error and loading state as arguments	<i>Function</i>	<i>undefined</i>

[← Rendering process](#)

[SVG →](#)