

# ChatGPT: Embedded PDF Viewer

To embed a **PDF viewer** in a webpage, you can use different methods, depending on your requirements. Below are some **common approaches**:

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## 1. Using <iframe> (Simple Approach)

The easiest way to embed a PDF in a webpage is to use an <iframe>:

```
<iframe src="example.pdf" width="100%" height="600px"></iframe>
```

- ✓ Works in most browsers
  - ✓ No extra libraries required
  - ✗ Limited customization
- 

## 2. Using <embed> (Another Simple Option)

```
<embed src="example.pdf" type="application/pdf" width="100%" height="600px">
```

- ✓ Works like <iframe>
  - ✓ No external dependencies
- 

## 3. Using the <object> Tag

```
<object data="example.pdf" type="application/pdf" width="100%" height="600px">
```

```
  <p>PDF cannot be displayed. <a href="example.pdf">Download it here</a>.</p>
```

```
</object>
```

- ✓ Provides a fallback if the PDF cannot be displayed
- 

## 4. Using JavaScript PDF.js (For Customization)

If you need **custom controls, zooming, or annotations**, use Mozilla's **PDF.js**.

### Step 1: Include PDF.js Library

```
<script src="https://cdnjs.cloudflare.com/ajax/libs/pdf.js/2.16.105/pdf.min.js"></script>
```

### Step 2: Create a Canvas to Render the PDF

```
<canvas id="pdf-canvas"></canvas>
```

```
<script>

const url = "example.pdf"; // Path to PDF file

const canvas = document.getElementById("pdf-canvas");

const ctx = canvas.getContext("2d");


pdfjsLib.getDocument(url).promise.then(pdf => {

  pdf.getPage(1).then(page => {

    const viewport = page.getViewport({ scale: 1.5 });

    canvas.width = viewport.width;

    canvas.height = viewport.height;


    page.render({ canvasContext: ctx, viewport: viewport });

  });

});

</script>
```

- ✓ Full control over the PDF display
- ✓ Supports zooming, page navigation, and annotations

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## 5. Using Google Docs Viewer (If Hosting PDFs Elsewhere)

```
<iframe
src="https://docs.google.com/gview?embedded=true&url=https://example.com/example.pdf"
width="100%" height="600px"></iframe>
```

- ✓ Works even if the user's browser doesn't support PDF
- ✗ Requires internet access

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### Best Approach?

- **Use <iframe> or <embed>** if you just want to display a PDF quickly.
- **Use PDF.js** if you need a **custom viewer with zoom, page navigation, etc.**
- **Use Google Docs Viewer** if the PDF is hosted externally.

Would you like a fully interactive viewer with page navigation and zoom controls? 🚀