# 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**:

**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

**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

**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? 🚀