

# FileReader: readAsDataURL() method

**Baseline** Widely available

**Note:** This feature is available in [Web Workers](#).

The `readAsDataURL()` method of the [FileReader](#) interface is used to read the contents of the specified [Blob](#) or [File](#). When the read operation is finished, the [readyState](#) property becomes `DONE`, and the [loadend](#) event is triggered. At that time, the [result](#) attribute contains the data as a [data: URL](#) representing the file's data as a base64 encoded string.

**Note:** The blob's [result](#) cannot be directly decoded as Base64 without first removing the Data-URL declaration preceding the Base64-encoded data. To retrieve only the Base64 encoded string, first remove `data:*/*;base64,` from the result.

## Syntax

JS

```
readAsDataURL(blob)
```

## Parameters

`blob`

The [Blob](#) or [File](#) from which to read.

## Return value

None ( [undefined](#) ).

## Examples

### Reading a single file

#### HTML

HTML

Play

```
<input type="file" onchange="previewFile()" /><br />
<img src="" height="200" alt="Image preview" />
```

## JavaScript

JS

Play

```
function previewFile() {
  const preview = document.querySelector("img");
  const file = document.querySelector("input[type=file]").files[0];
  const reader = new FileReader();


  reader.addEventListener(
    "load",
    () => {
      // convert image file to base64 string
      preview.src = reader.result;
    },
    false,
  );

  if (file) {
    reader.readAsDataURL(file);
  }
}
```

## Result

Play

Seleccionar archivo Ningún archivo seleccionado

 Image preview

## Reading multiple files

## HTML

HTML

Play

```
<input id="browse" type="file" multiple />
<div id="preview"></div>
```

## JavaScript

JS

Play

```
function previewFiles() {
  const preview = document.querySelector("#preview");
  const files = document.querySelector("input[type=file]").files;

  function readAndPreview(file) {
    // Make sure `file.name` matches our extensions criteria
    if (/\.?(jpe?g|png|gif)$/i.test(file.name)) {
      const reader = new FileReader();

      reader.addEventListener(
        "load",
        () => {
          const image = new Image();
          image.height = 100;
          image.title = file.name;
          image.src = reader.result;
          preview.appendChild(image);
        },
        false,
      );

      reader.readAsDataURL(file);
    }
  }

  if (files) {
    Array.prototype.forEach.call(files, readAndPreview);
  }
}

const picker = document.querySelector("#browse");
picker.addEventListener("change", previewFiles);
```

## Result

Play

Elegir archivos Ningún archivo seleccionado

# Specifications

Specification
<a href="#">File API</a>
<a href="#"># readAsDataURL</a>

## Browser compatibility

[Report problems with this compatibility data on GitHub](#)

	Chrome	Edge	Firefox	Opera	Safari	Chrome Android	Firefox for Android	Opera Android	Safari on iOS	Samsung Internet	WebView Android	WebView on iOS	Deno
readAsDataURL	6	12	3.6	11	6	18	32	11	6	1.0	3	6	1.3

Tip: you can click/tap on a cell for more information.

Full support      See implementation notes.

## See also

- [FileReader](#)
- [URL.createObjectURL\(\)](#)

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