# FONT-FACE

# What is @font-face?

The CSS3 @font-face at-rule allows us to specify custom fonts that almost all users can see.

```
@font-face
   font-family: "fontname";
   src: url("font.eot");
   font-weight: normal;
   font-style: normal;
h1
   font-family:
        "fontname", Helvetica, sans-serif;
```

@font-face has good good support across most browsers and devices.

Current aligned L	Jsage relative St	now all							
IE	Edge *	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android * Browser	Chrome for Android
								4.1	
8			43					4.3	
9		40	44					4.4	
10		41	45	8		8.4		4.4.4	
11	12	42	46	9	32	9.1	8	44	46
	13	43	47		33				
		44	48		34				
		45	49						

However, while all modern browsers support @font-face, they each support different font formats.

### Common formats include:

True type (.ttf)
Open Type (.otf)
Embedded Open Type (.eot)
Web Open Font Format (.woff)
Scalable Vector Graphics (.svg)

#### TTF/OTF - TrueType and OpenType font support - OTHER

Foodback

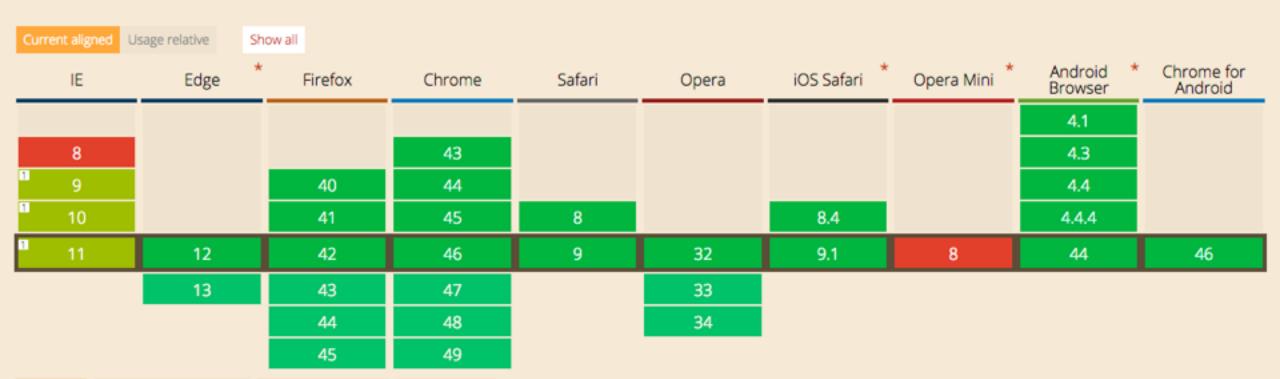
Pocourcos (2)

Global

82.38% + 9.06% = 91.44%

Support for the TrueType (.ttf) and OpenType (.otf) outline font formats in @font-face.

Known iccurc (1)



#### EOT - Embedded OpenType fonts ■ - UNOFF

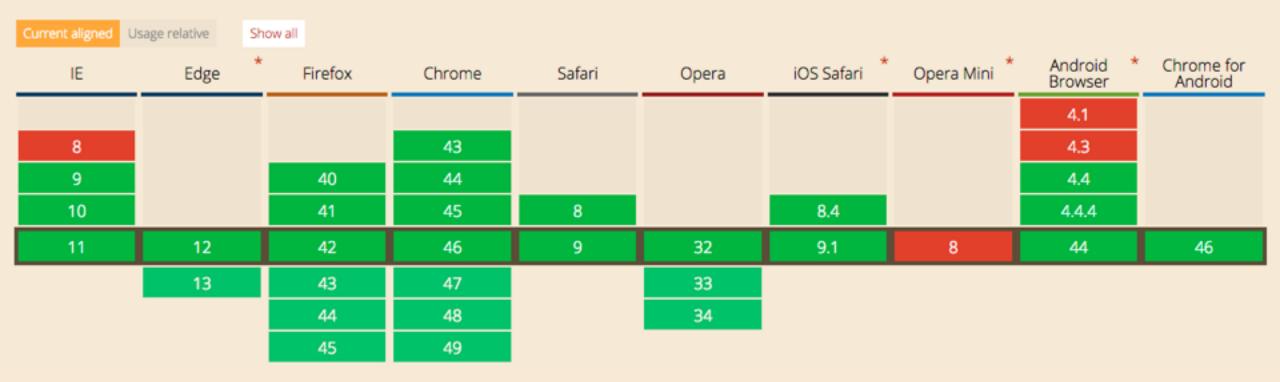
Type of font that can be derived from a regular font, allowing small files and legal use of high-quality fonts. Usage is restricted by the file being tied to the website

Current aligned Usage relative Show all									
IE	Edge *	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android * Browser	Chrome for Android
								4.1	
8			43					4.3	
9		40	44					4.4	
10		41	45	8		8.4		4.4.4	
11	12	42	46	9	32	9.1	8	44	46
	13	43	47		33				
		44	48		34				
		45	49						

#### WOFF - Web Open Font Format - REC

Global 89.13%

Compressed TrueType/OpenType font that contains information about the font's source.



#### SVG (basic support) - REC

Global

94.35% + 2.08% = 96.43%

Method of displaying basic Vector Graphics features using the embed or object elements. Refers to the SVG 1.1 spec.

Curr	ent aligned L	Jsage re	lative	Shov	v all							
	IE		Edge	*	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini *	Android * Browser	Chrome for Android
											4.1	
	8					43					4.3	
2	9				40	44					4.4	
21	10				41	45	8		8.4		4.4.4	
2	11	2	12		42	46	9	32	9.1	8	44	46
		2	13		43	47		33				
					44	48		34				
					45	49						
	_											

While WOFF is becoming the standard, it is still safer to include a range of font formats to make sure your fonts can be seen across all browsers/devices.

We are now going to look at three different methods for including fonts on your web pages.

# Google fonts

# Step 1: Choose a font Go to the Google Fonts site and search for your desired font

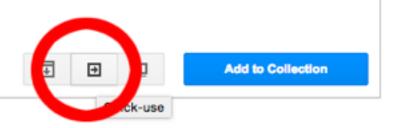
https://www.google.com/fonts

### Step 2: Click on Quick Use

Normal 400

Grumpy wizards make toxic brew for the evil Queen and Jack.

Lato, 10 Styles by Łukasz Dziedzic



### Step 3: Choose the style/s

#### Choose the styles you want:

□ Lato

□ Thin 100

☐ Thin 100 Italic

□ Light 300

☐ Light 300 Italic

Normal 400

□ Normal 400 Italic

□ Bold 700

□ Bold 700 Italic

☐ Ultra-Bold 900

─ Ultra-Bold 900 Italic

Grumpy wizards make toxic brew for the evil Queen and Jack.

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Impact on page load time

Tip: Using many font styles can slow down your webpage, so only select the font styles that you actually need on your webpage.

## **Step 4: Choose character set**

2. Choose the character sets you want:

Latin (latin)

Latin Extended (latin-ext)

Tip: If you choose only the languages that you need, you'll help prevent slowness on your webpage.

» Read more on how to use subsets

## Step 5: Copy and paste the link



```
<!-- HTML file -->
k href='https://fonts.googleapis.com/css?
family=Lato' rel='stylesheet' type='text/
css'>
```

### Step 6: Copy and paste the name

4. Integrate the fonts into your CSS:

The Google Fonts API will generate the necessary browser-specific CSS to use the fonts. All you need to do is add the font name to your CSS styles. For example:

```
font-family: 'Lato', sans-serif;
```

Instructions: Add the font name to your CSS styles just as you'd do normally with any other font.

#### Example:

```
h1 { font-family:
    'Metrophobic', Arial, serif;
font-weight: 400; }
```

```
/* CSS file */
h1 { font-family: 'Lato', sans-serif; }
```

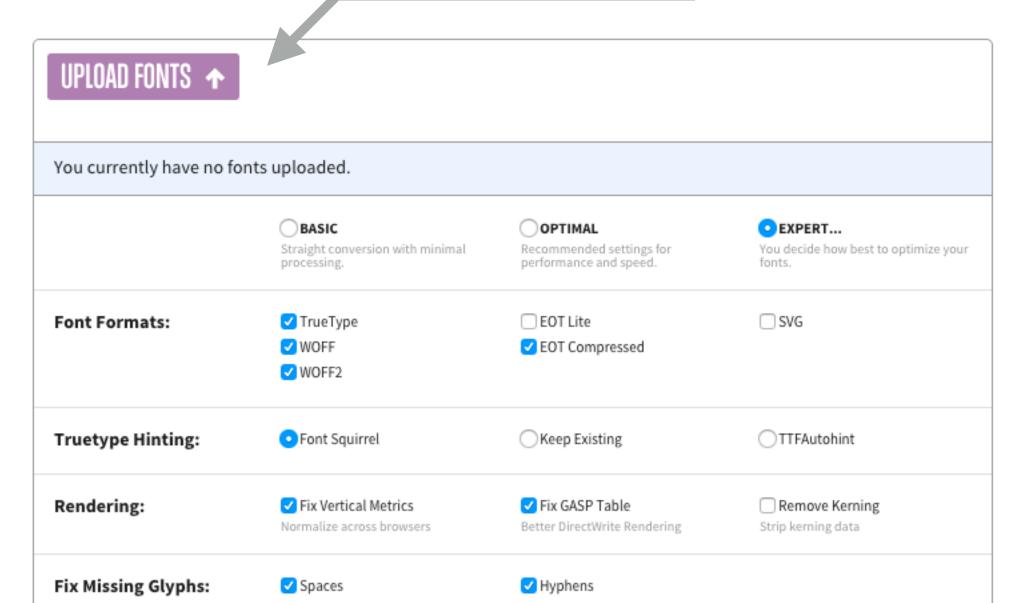
# Generate your own font

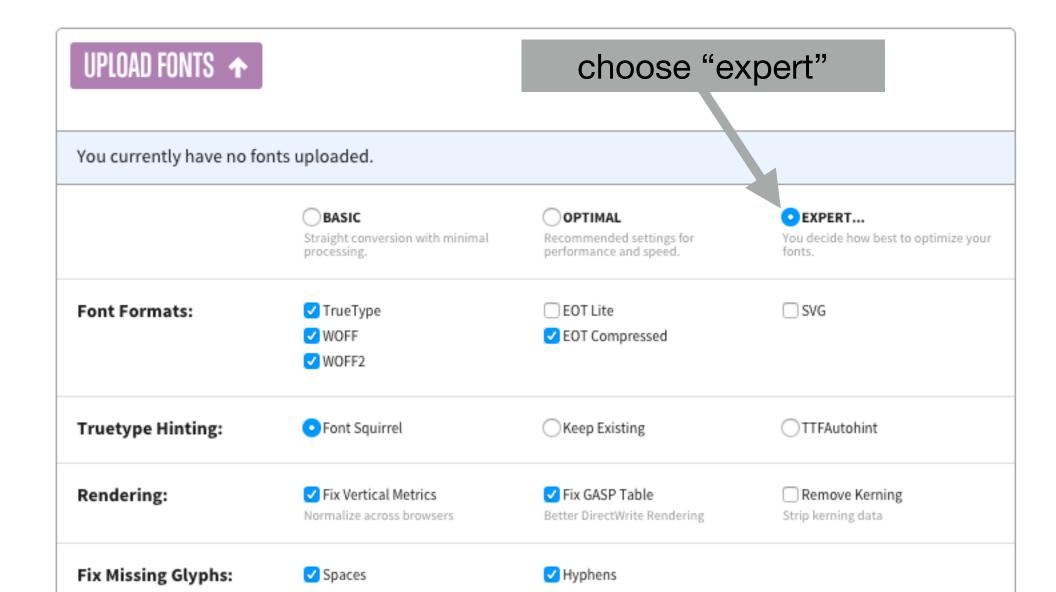
If you have a font that is not available at a free font site, and you have at least one of the main formats available, you may need to generate your own custom font set.

# Step 1: FontSquirrel Go to the FontSquirrel site

http://www.fontsquirrel.com/

#### upload initial font





OL TOYD LOISIO . I.			
You currently have no font		ct the formats	
	SEIEC  Straight copy ersion with minimal process	OPTIMAL  Recommended settings for performance and speed.	• EXPERT  You decide how best to optimize your fonts.
Font Formats:	✓ TrueType ✓ WOFF ✓ WOFF2	<ul><li>■ EOT Lite</li><li>✓ EOT Compressed</li></ul>	SVG
Truetype Hinting:	• Font Squirrel	○ Keep Existing	TTFAutohint
Rendering:	Fix Vertical Metrics  Normalize across browsers	✓ Fix GASP Table  Better DirectWrite Rendering	Remove Kerning Strip kerning data
Fix Missing Glyphs:	✓ Spaces	✓ Hyphens	
X-height Matching: Resize to match the selected font's x-height.	● None  100 %	○Arial ○Verdana ○Trebuchet	Georgia Times New Roman Courier
Protection:	WebOnly™  Disable desktop use		

If the features are available, the generator will flatten them into the font.	Caps to Sm. Caps Old Style Numerals Lining Numerals Tabular Numerals Proportl. Numerals	Style Set 2 Style Set 3 Style Set 4 Style Set 5 Style Set 6	Style Set 12 Style Set 13 Style Set 14 Style Set 15 Style Set 16
	Slashed Zero Stylistic Alts	Style Set 7 Style Set 8 Style Set 9 Style Set 10	Style Set 17 Style Set 18 Style Set 19 Style Set 20
CSS:	Base64 Encode Embed font in CSS	Style Link Family Support in CSS	css Filename stylesheet.css
Advanced Options:	-webfont	Agree	Adjust Glyph Spacing  O In units of the em square
Shortcuts:	Remen der my settings		
Agreement:		are legally eligible for web embedding. od faith. Please honor the EULAs of your fonts	

You will then have a zip file which includes all of the relevant font files in different format, as well as sample CSS code.

```
@font-face
   font-family: "fontname";
    src:
        url("font.eot");
    src:
        url("font.eot#iefix")
format("embedded-opentype"),
        url("font.woff") format("woff"),
        url("font.ttf") format("truetype"),
    font-weight: normal;
   font-style: normal;
```

# Breaking down @font-face

We are going to look at the **basic** methodology first, and then look at how to create work-arounds for older Internet Explorer browsers.

## Start with the basic @font-format rule:

```
@font-face
{
}
```

Create a unique font-name, wrapping in single or double quotes. This font-name is how you reference the font later on in your CSS file.

```
@font-face
{
    font-family: 'fontName';
}
```

## Add a **src** for all the desired formats

```
@font-face
{
    font-family: 'fontName';
    src: url('font.ttf');
}
```

The path can be **relative** to font files on our own server.

```
@font-face
{
    font-family: 'fontName';
    src: url('../font.ttf');
}
```

The path can be absolute (though this is not ideal for IE9).

```
@font-face
{
    font-family: 'fontName';
    src: url('http://sitename.co/font.ttf');
}
```

## We can even use a local path instead of a URL.

```
@font-face
{
    font-family: 'fontName';
    src: local('font.ttf');
}
```

# We can provide multiple src options.

```
@font-face
{
    font-family: 'fontName';
    src: url('../font.ttf');
    src: url('../font.woff');
}
```

## We can also add multiple comma separated URLs inside a src.

```
@font-face
{
    font-family: 'fontName';
    src:
        url('../font.ttf'),
        url('../font.woff');
}
```

Always include a format hint so browsers download the right format.

```
@font-face
{
    font-family: 'fontName';
    src:
       url('../font.ttf') format('truetype'),
       url('../font.woff') format('woff');
}
```

### Add a font-weight if needed.

```
@font-face
   font-family: 'fontName';
   src:
        url('../font.ttf') format('truetype'),
        url('../font.woff') format('woff');
   font-weight: normal;
```

## Add a font-style if needed.

```
@font-face
   font-family: 'fontName';
    src:
        url('../font.ttf') format('truetype'),
        url('../font.woff') format('woff');
   font-weight: normal;
   font-style: normal;
```

#### Add a font-stretch if needed.

```
@font-face
   font-family: 'fontName';
    src:
        url('../font.ttf') format('truetype'),
        url('../font.woff') format('woff');
    font-weight: normal;
   font-style: normal;
   font-stretch: normal;
```

# Robust @font-face

The following specific formatting method is based on "Fontspring @Font-Face Syntax – version 2".

```
@font-face
{
    font-family: "fontname";
}
```

```
@font-face
{
    font-family: "fontname";
    src:
    url("font.eot");
}
```

```
@font-face
    font-family: "fontname";
    src:
                                    IE6 - IE8
        url("font.eot");
    src:
        url("font.eot#iefix")
format("embedded-opentype"),
```

```
@font-face
    font-family: "fontname";
    src:
        url("font.eot");
    src:
                                    Modern browsers
        url("font.eot#iefix")
format("embedded-opentype"),
        url("font.woff") format("woff"),
```

```
@font-face
    font-family: "fontname";
    src:
        url("font.eot");
    src:
                                  Fallback for older devices
        url("font.eot#iefix")
format("embedded-opentype"),
        url("font.woff") format(woff"),
        url("font.ttf") format("truetype");
```

```
@font-face
    font-family: "fontname";
    src:
        url("font.eot");
    src:
                                   Weight, style &
        url("font.eot#iefix")
                                  stretch if needed
format("embedded-opentype"),
        url("font.woff") format("woff"),
        url("font.ttf") format("truetype");
    font-weight: normal;
    font-style: normal;
    font-stretch: normal;
```



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