


Some confusing CSS styles


```
body {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
}
```

display: flex;

CSS Flexbox (Flexible Box)


W3Schools offers free online tutorials, references and exercises in all the major languages of the web. Covering popular subjects like HTML, CSS, JavaScript, Python, SQL, Java, and many, many more.

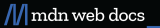
 https://www.w3schools.com/css/css3_flexbox.asp

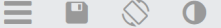


Basic concepts of flexbox - CSS: Cascading Style Sheets | MDN

The flexible box layout module, usually referred to as flexbox, was designed as a one-dimensional layout model, and as a method that could offer space distribution between items in an interface and powerful

 [https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_flexible_bo](https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_flexible_box_layout/Basic_concepts_of_flexbox)
x_layout/Basic_concepts_of_flexbox





Run >

Result Size: 625 x 391

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```
<!DOCTYPE html>
<html>
<head>
<style>
.flex-container {
  display: flex;
  background-color: DodgerBlue;
}

.flex-container > div {
  background-color: #f1f1f1;
  margin: 10px;
  padding: 20px;
  font-size: 30px;
}
</style>
</head>
<body>

<h1>Create a Flex Container</h1>
```

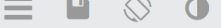
Create a Flex Container

1

2

3

A Flexible Layout must have a parent element with the *display* property set to *flex*.
Direct child element(s) of the flexible container automatically becomes flexible items.



Run >

Result Size: 625 x 391

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```
/*display: flex;*/
background-color: DodgerBlue;
}

.flex-container > div {
  background-color: #f1f1f1;
  margin: 10px;
  padding: 20px;
  font-size: 30px;
}
</style>
</head>
<body>

<h1>Create a Flex Container</h1>

<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div>3</div>
</div>
```


Create a Flex Container

1

2

3

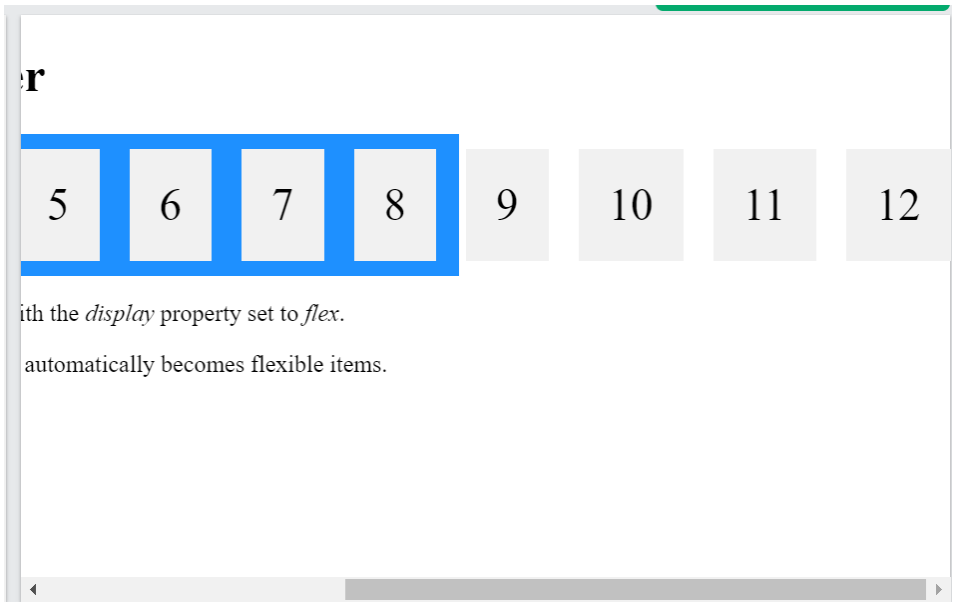
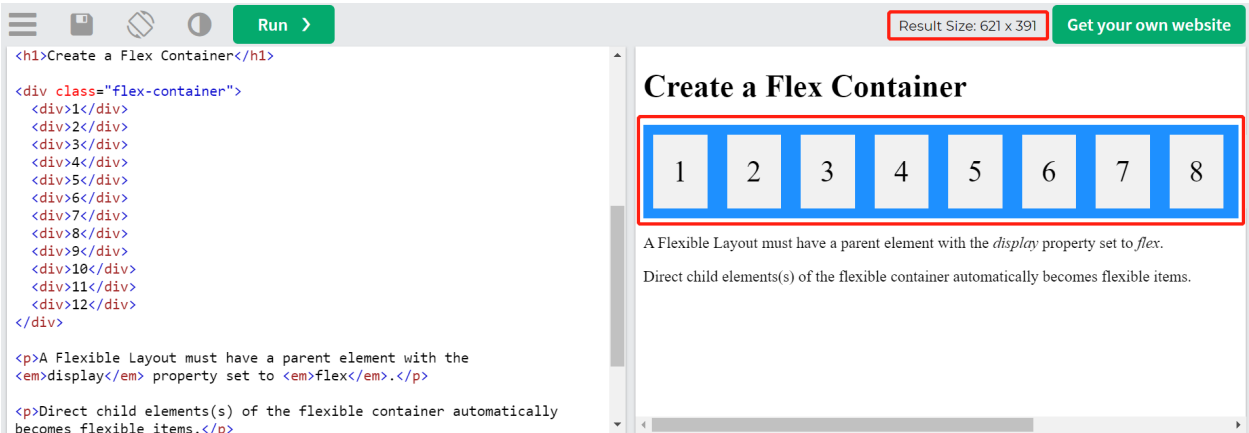
A Flexible Layout must have a parent element with the *display* property set to *flex*.
Direct child element(s) of the flexible container automatically becomes flexible items.



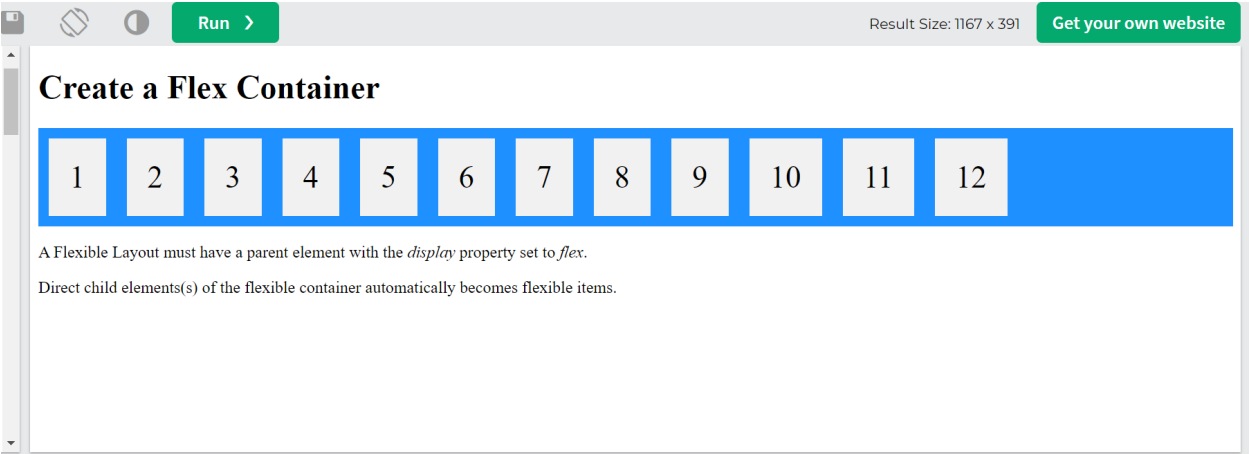
The Flexible Box Layout Module, makes it easier to design flexible responsive layout structure without using float or positioning.

Can be used as a replacement of float.

If add more divs:



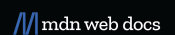
any divs outside will not share the blue background.

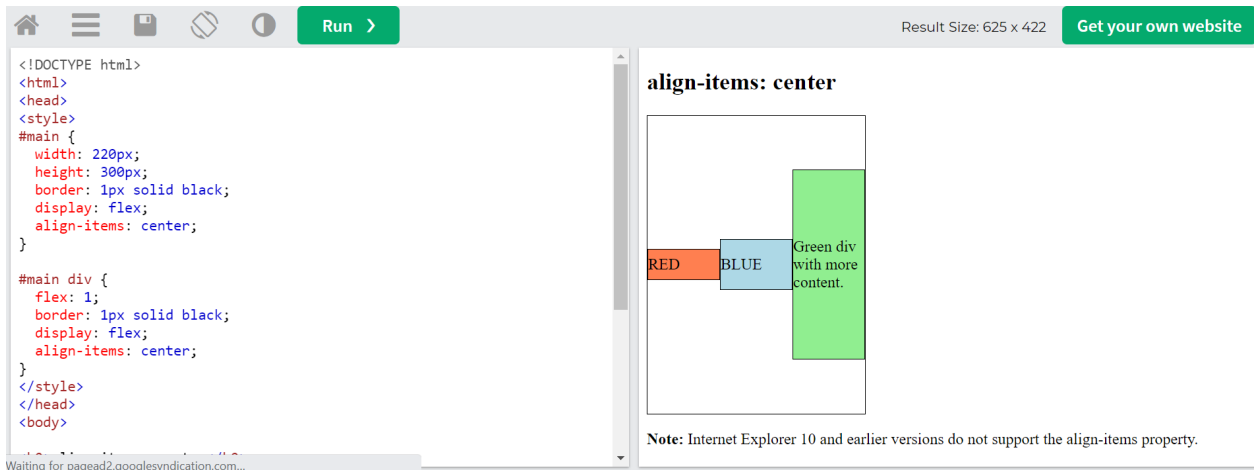


If increase the size of the window, the blue background will also grow wider as well.

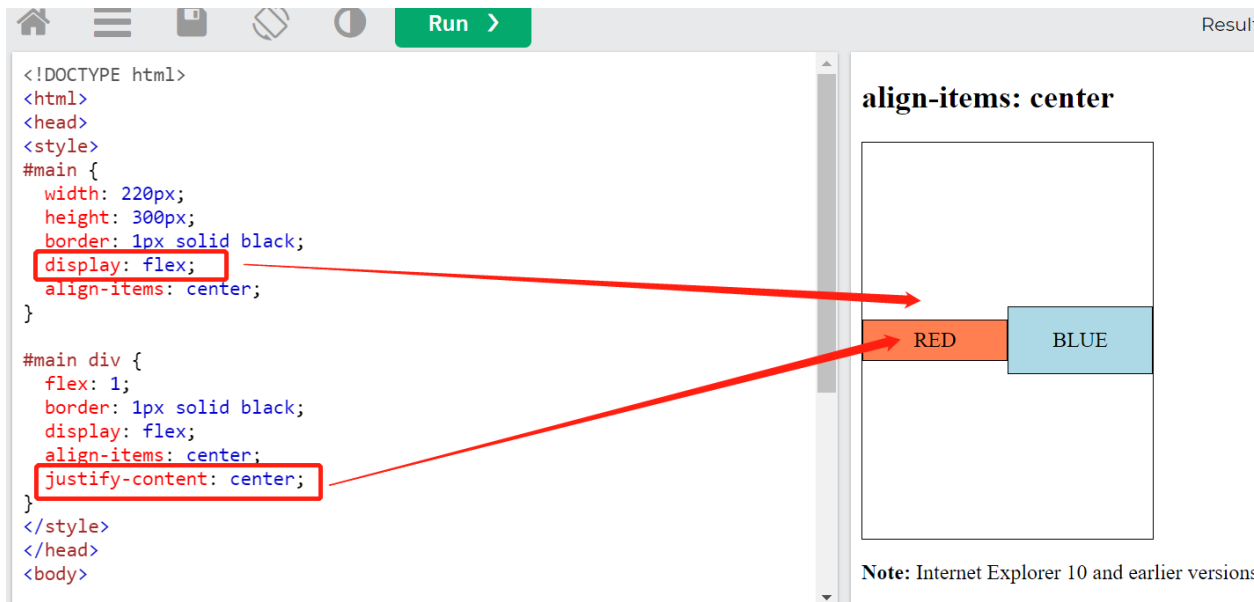
Let's simply named it as a quite flexible display method (based on the width of the window), take all the space.

justify-content: center;





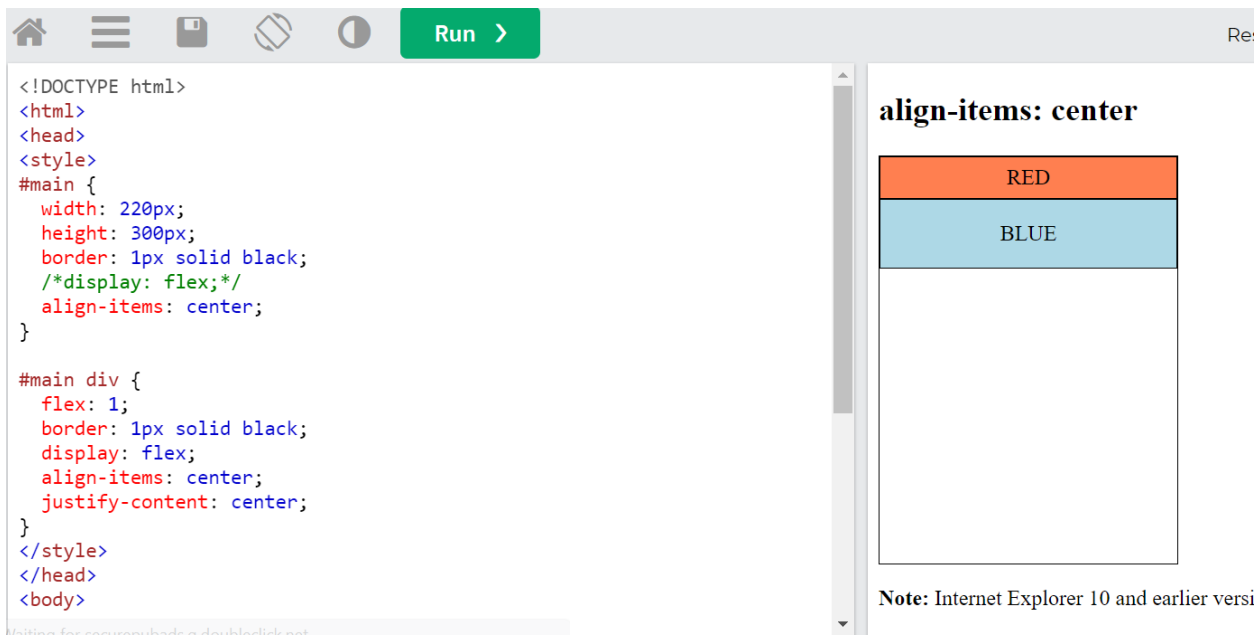
Here we can also test display:flex. and justify-content: center;



Even delete the green div, other divs will also take all the space.

justify-content: center make words align horizontally.


Without flex:



align-items - CSS: Cascading Style Sheets | MDN

The CSS align-items property sets the align-self value on all direct children as a group. In Flexbox, it controls the alignment of items on the Cross Axis. In Grid Layout, it controls the alignment of items on

 <https://developer.mozilla.org/en-US/docs/Web/CSS/align-items>

 mdn web docs

height: 100vh;

100vh

`height: 100vh` = 100% of the viewport height


`height: 100%` = 100% of the parent's element height

That is why you need to add `height: 100%` on `html` and `body`, as they don't have a size by default

Something you have to know : if you use % for vertical margin or padding, % will be calculated on the **width** of the parent element, not the height.

Styling HTML and BODY selector to height: 100%; vs using 100vh

My brother and I were messing around in sublime earlier and he suddenly shout out, "I learned something new!"

 <https://stackoverflow.com/questions/27612931/styling-html-and-body-selector-to-height-100-vs-using-100vh>



100em

1em is **equal** to the **current font size**.

2em means 2 times the size of the current font.


E.g., if an element is displayed with a font of 12 pt, then '2em' is 24 pt. The 'em' is a very useful unit in CSS, since it can adapt automatically to the font that the reader uses

What is height in em?

I am still not clear what does size in em mean?

I have worked px, pt in CSS.

What would 0.8, 1.0 and 1.2 em mean?

 <https://stackoverflow.com/questions/3437987/what-is-height-in-em>




100px

height - CSS: Cascading Style Sheets | MDN


The height CSS property specifies the height of an element. By default, the property defines the height of the content area. If box-sizing is set to border-box, however, it instead determines the height

 <https://developer.mozilla.org/en-US/docs/Web/CSS/height>

 mdn web docs

CSS height property

W3Schools offers free online tutorials, references and exercises in all the major languages of the web. Covering popular subjects like HTML, CSS, JavaScript, Python, SQL, Java, and many, many more.

 https://www.w3schools.com/cssref/pr_dim_height.php



100%

Run >

Result Size: 625 x 422

Get your own website

```
<style>
body {
  background-color:#E7E9EB;
}
#myDIV {
  height:300px;
  background-color:#FFFFFF;
}
.bluediv {
  background-color:lightblue;
  height:50%;
}
</style>
</head>
<body>

<h1>The height property</h1>

<div id="myDIV">
  <div class="bluediv">
    See this blue div element with different height values.
  </div>
</div>
</div>
```

The height property

See this blue div element with different height values.

Run >

Result Size: 625 x 422

Get your own website

```
<style>
body {
  background-color:#E7E9EB;
}
#myDIV {
  height:300px;
  background-color:#FFFFFF;
}
.bluediv {
  background-color:lightblue;
  height:50vh;
}
</style>
</head>
<body>

<h1>The height property</h1>

<div id="myDIV">
  <div class="bluediv">
    See this blue div element with different height values.
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```

The height property

See this blue div element with different height values.

Run >

Result Size: 625 x 422

Get your own website

```
<style>
body {
  background-color:#E7E9EB;
}
#myDIV {
  height:300px;
  background-color:#FFFFFF;
}
.bluediv {
  background-color:lightblue;
  height:5em;
}
</style>
</head>
<body>

<h1>The height property</h1>

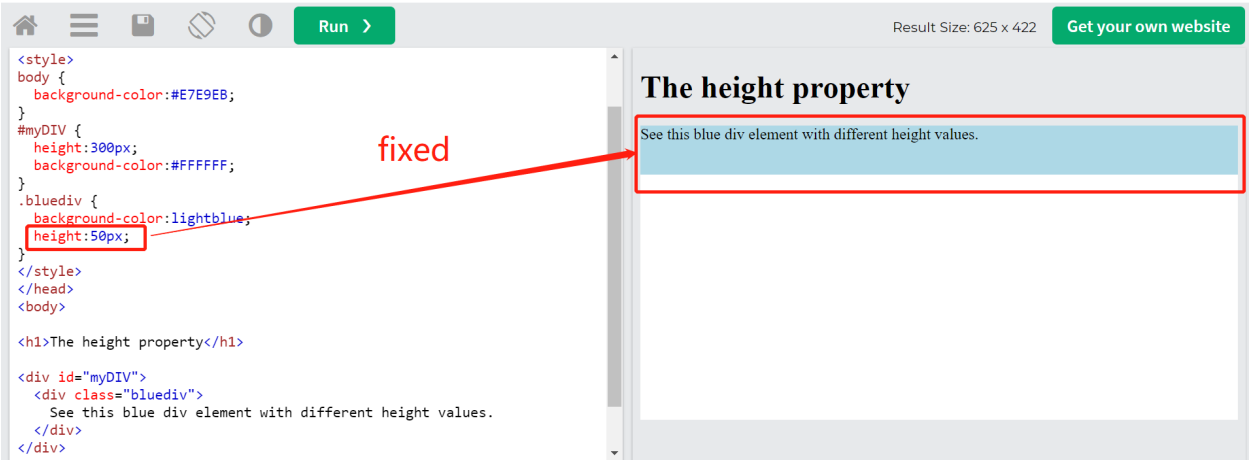
<div id="myDIV">
  <div class="bluediv">
    See this blue div element with different height values.
  </div>
</div>
</div>
```

The height property

See this blue div element with different height values.

Some confusing CSS styles


6




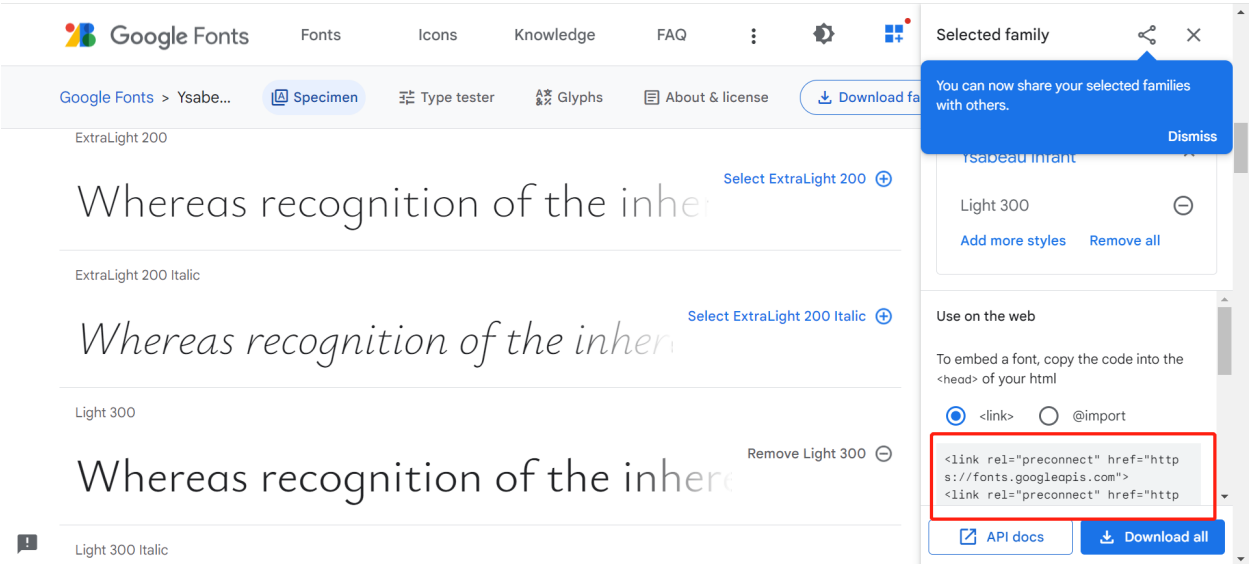
font style

Browse Fonts - Google Fonts

Making the web more beautiful, fast, and open through great typography

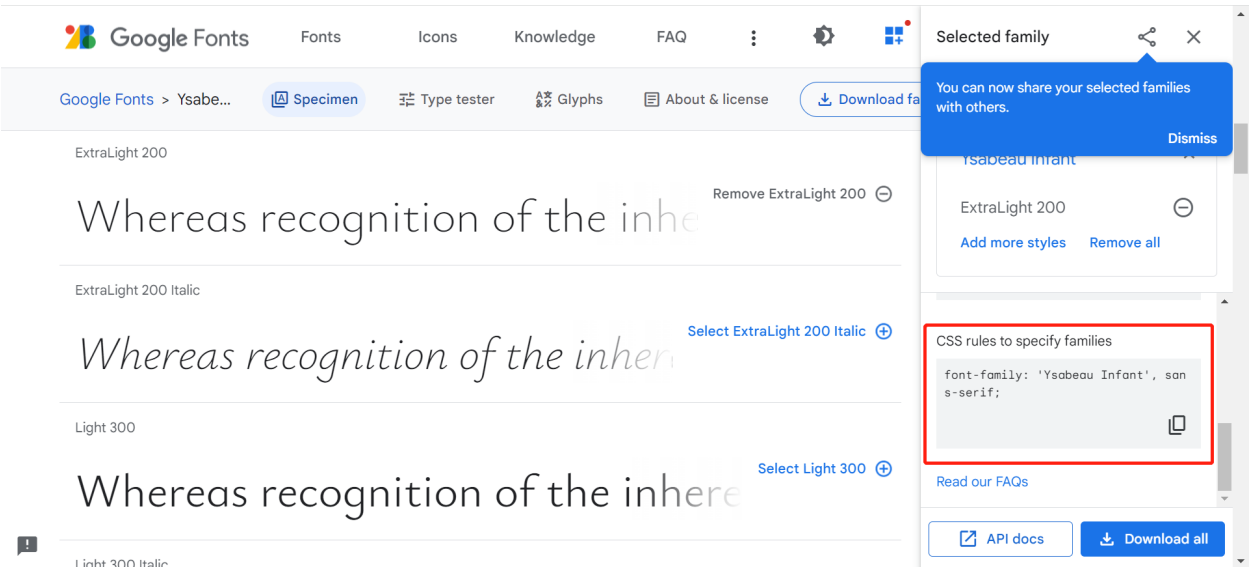
 Google Fonts

 <https://fonts.google.com/>



add↑link to html


add↓font to css

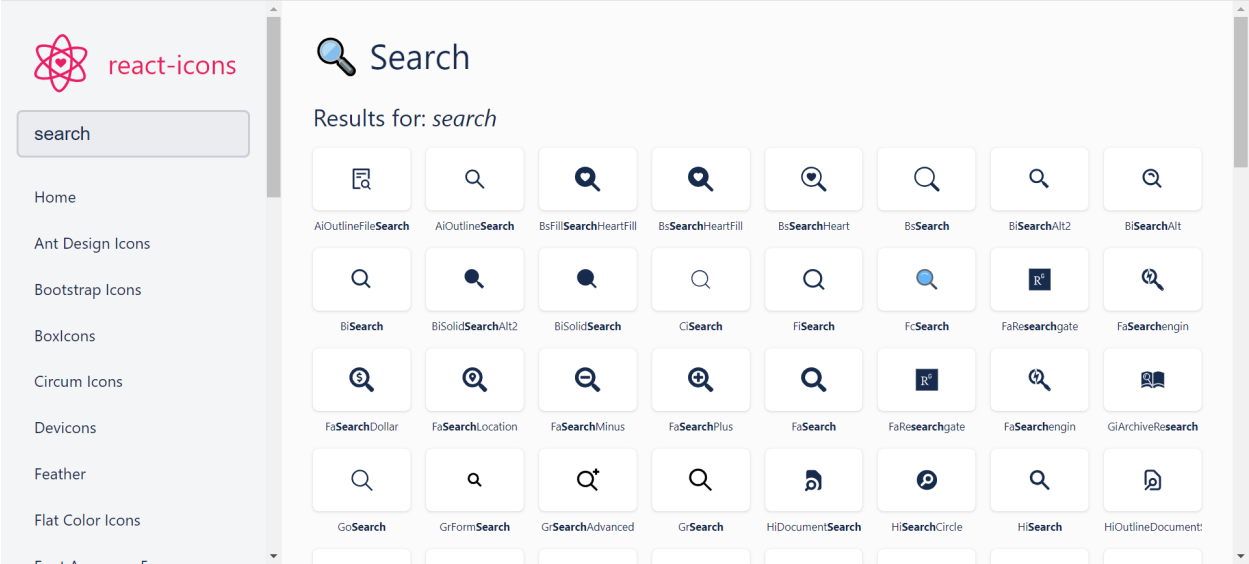


react Icons

React Icons

Include popular icons in your React projects easily with react-icons.

 <https://react-icons.github.io/react-icons/>



search icons and pick what you like

background image

```
background-image: url("https://source.unsplash.com/1600x900/?nature,water");
```

```
background-image: url("https://source.unsplash.com/1600x900/?landscape");
```

Also, we can control parameters in css:

```
document.body.style.backgroundImage =  
"url('https://source.unsplash.com/1600x900/?" + name + "');"
```