



Pure CSS

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```
        font-family: Consolas, 'Liberation Mono', Courier, monospace;
        text-align: center;
    }
</style>
</head>

<body>
    <div class="grids-example">
        <div class="pure-g">
            <div class="pure-u-1-3"><p>First Column</p></div>
            <div class="pure-u-1-3"><p>Second Column</p></div>
            <div class="pure-u-1-3"><p>Third Column</p></div>
        </div>
    </div>
</body>
</html>
```

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1. PURE.CSS – OVERVIEW

Pure is a Cascading Style Sheet (CSS) developed by YAHOO. It helps in creating faster, beautiful, and responsive websites.

Some of its salient features are as follows:

- In-built responsive design
- Standard CSS with minimal footprint
- Set of small, responsive CSS modules
- Free to use

Responsive Design

Pure has an in-built responsive design such that the website created using Pure will redesign itself as per the device size. Pure has a 12 column mobile-first fluid grid that supports responsive classes for small, large, and medium screen sizes.

Pure classes are created in such a way that the website can fit any screen size. The websites created using Pure are fully compatible with PC, tablets, and mobile devices.

Standard CSS

Pure uses standard CSS only and it is very easy to learn. There is no dependency on any external JavaScript library such as jQuery.

Extensible

Pure is by design very minimal and flat. It is designed considering the fact that it is much easier to add new CSS rules than to overwrite existing CSS rules. By adding a few lines of CSS, Pure's appearance can be customized to work with an existing web project.

It supports shadows and bold colors. The colors and shades remain uniform across various platforms and devices. And most important of all, it is absolutely free to use.

2. PURE.CSS – ENVIRONMENT SETUP

There are two ways to use Pure:

- **Local Installation** - You can download the pure.css file on your local machine and include it in your HTML code.
- **CDN Based Version** - You can include the pure.css file into your HTML code directly from the Content Delivery Network (CDN).

Local Installation

- Go to <http://purecss.io/start/> to download the latest version available.
- Place the downloaded pure-min.css file in a directory of your website, e.g. /css.

Example

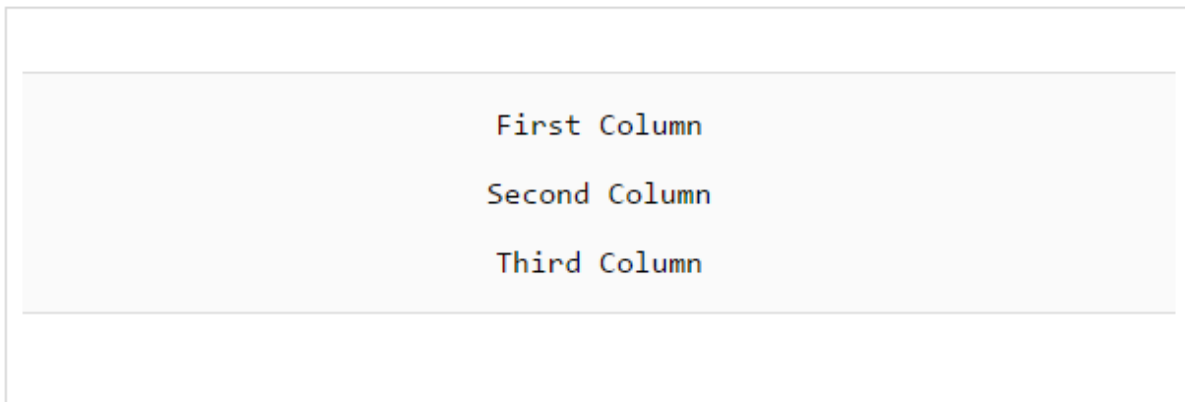
You can include the **css** file in your HTML file as follows –

```
<html>
  <head>
    <title>The PURE.CSS Example</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="pure-min.css">

    <style>
      .grids-example {
        background: rgb(250, 250, 250);
        margin: 2em auto;
        border-top: 1px solid #ddd;
        border-bottom: 1px solid #ddd;
        font-family: Consolas, 'Liberation Mono', Courier, monospace;
        text-align: center;
      }
    </style>
  </head>
```

```
<body>
  <div class="grids-example">
    <div class="pure-g">
      <div class="pure-u-1-3"><p>First Column</p></div>
      <div class="pure-u-1-3"><p>Second Column</p></div>
      <div class="pure-u-1-3"><p>Third Column</p></div>
    </div>
  </div>
</body>
</html>
```

It will produce the following result –



CDN Based Version

You can include the pure.css file into your HTML code directly from the Content Delivery Network (CDN). **yui.yahooapis.com** provides content for the latest version.

We are using yui.yahooapis.com CDN version of the library throughout this tutorial.

Example

Now let us rewrite the above example using pure.css from PureCSS.io CDN.

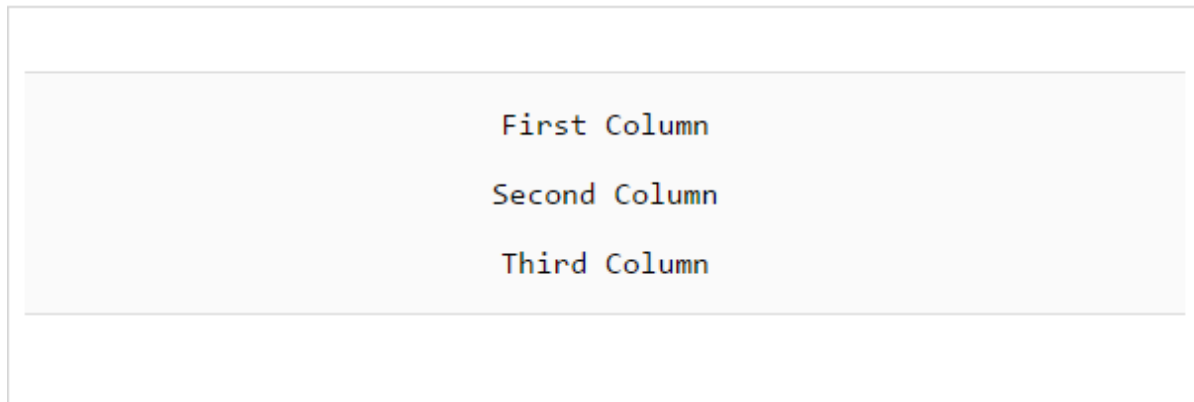
```
<html>
  <head>
    <title>The PURE.CSS Example</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<link rel="stylesheet" href="https://yui.yahooapis.com/pure/0.6.0/pure-
min.css">

<style>
  .grids-example {
    background: rgb(250, 250, 250);
    margin: 2em auto;
    border-top: 1px solid #ddd;
    border-bottom: 1px solid #ddd;
    font-family: Consolas, 'Liberation Mono', Courier, monospace;
    text-align: center;
  }
</style>
</head>

<body>
  <div class="grids-example">
    <div class="pure-g">
      <div class="pure-u-1-3"><p>First Column</p></div>
      <div class="pure-u-1-3"><p>Second Column</p></div>
      <div class="pure-u-1-3"><p>Third Column</p></div>
    </div>
  </div>
</body>
</html>
```

It will produce the following result –



3. PURE.CSS – RESPONSIVE DESIGN

Pure.CSS has several special classes to create a responsive design.

Sr. No.	Class Name & Description
1	.pure-u-* Sets the container to occupy required space on any device.
2	.pure-u-sm-* Sets the container to occupy required space on a device with width \geq 568px.
3	.pure-u-md-* Sets the container to occupy required space on a device with width \geq 768px.
4	.pure-u-lg-* Sets the container to occupy required space on a device with width \geq 1024px.
5	.pure-u-xl-* Sets the container to occupy required space on a device with width \geq 1280px.

In the following example, we're going to create a responsive grid with a row having four columns. The columns should stack on small screens, should take up width: 50% on medium-sized screens, and should take up width: 25% on large screens.

This is done by adding **.pure-u-1** class for small screens, **.pure-u-md-1-2** for medium-sized screens, and **.pure-u-lg-1-4** for large screens. Resize the page to see the grid response to the screen size.

Example

purecss_responsive_design.htm

```
<html>
  <head>
    <title>The PURE.CSS Containers</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="https://yui.yahooapis.com/pure/0.6.0/pure-min.css">
    <link rel="stylesheet" href="https://yui.yahooapis.com/pure/0.6.0/grids-responsive-min.css">
```

```

<style>
  .grids-example {
    background: rgb(250, 250, 250);
    margin: 2em auto;
    font-family: Consolas, 'Liberation Mono', Courier, monospace;
    text-align: center;
  }

  .graybox {
    background: rgb(240, 240, 240);
    border: 1px solid #ddd;
  }
</style>
</head>
<body>
  <div class="grids-example">
    <div class="pure-g">
      <div class="pure-u-1-1"><div class="graybox"><p>These four columns
should stack on small screens, should take up width: 50% on medium-sized screens,
and should take up width: 25% on large screens.</p></div></div>
      <div class="pure-u-1 pure-u-md-1-2 pure-u-lg-1-4"><div
class="graybox"><p>First Column</p></div></div>
      <div class="pure-u-1 pure-u-md-1-2 pure-u-lg-1-4"><div
class="graybox"><p>Second Column</p></div></div>
      <div class="pure-u-1 pure-u-md-1-2 pure-u-lg-1-4"><div
class="graybox"><p>Third Column</p></div></div>
      <div class="pure-u-1 pure-u-md-1-2 pure-u-lg-1-4"><div
class="graybox"><p>Fourth Column</p></div></div>
    </div>
  </div>
  <div class="grids-example">
    <div class="pure-g">
      <div class="pure-u-1"><div class="graybox"><p>This column is to occupy
the complete space of a row.</p></div></div>

```

```

    </div>
</div>
<div class="grids-example">
    <div class="pure-g">
        <div class="pure-u-2-5"><div class="graybox"><p>This column is to
occupy the two-fifth of the space of a row.</p></div></div>
    </div>
</div>
<div class="grids-example">
    <div class="pure-g">
        <div class="pure-u-3-5"><div class="graybox"><p>This column is to
occupy the three-fifth of the space of a row.</p></div></div>
    </div>
</div>
<div class="grids-example">
    <div class="pure-g">
        <div class="pure-u-1-3"><div class="graybox"><p>Column 1: This column
is to occupy the one-third of the space of a row on all devices.</p></div></div>
        <div class="pure-u-1-3"><div class="graybox"><p>Column 2: This column
is to occupy the one-third of the space of a row on all devices.</p></div></div>
        <div class="pure-u-1-3"><div class="graybox"><p>Column 3: This column
is to occupy the one-third of the space of a row on all devices.</p></div></div>
    </div>
</div>
</body>
</html>

```

Result

Verify the result.

These four columns should stack on small screens, should take up width: 50% on medium-sized screens, and should take up width: 25% on large screens.

First Column

Second Column

Third Column

Fourth Column

This column is to occupy the complete space of a row.

This column is to occupy the two-fifth of the space of a row.

This column is to occupy the three-fifth of the space of a row.

Column 1: This column is to occupy the one-third of the space of a row on all devices.

Column 2: This column is to occupy the one-third of the space of a row on all devices.

Column 3: This column is to occupy the one-third of the space of a row on all devices.

End of ebook preview
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