

Responsive Layout basiert auf flexibel-Grid

written by Hong Le Nguyen, last update 08.2024

Vorgaben (vom Auftraggeber) ---

Width < 768px



Article title

10/10/2024

Praesent commodo cursus magna, vel scelerisque nisl consectetur et. Cras justo odio...

Related Articles

[Article item 1](#)

[Article item 2](#)

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Width > 768px



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Tech. Vorgaben (abgeleitet von den oben Vorgaben) ---

4 Bereichen

Blog == Row1-Area1: 50% bei Width < 768px, 100% bei Width > 768px

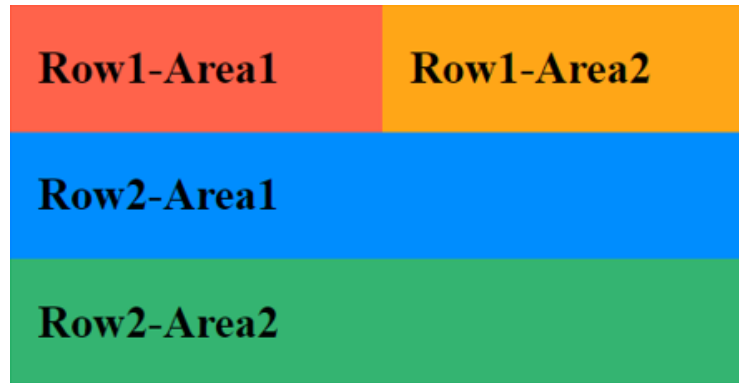
Nav1 == Row1-Area2: 50% bei Width < 768px, 100% bei Width > 768px

Article == Row2-Area1: 100% bei Width < 768px, 75% bei Width > 768px

Nav2 == Row2-Area2: 100% bei Width < 768px, 25% bei Width > 768px

Und je nach Breite haben wir solchen Layouts

Width < 768px



Width > 768px



Grid System Definition ---

n gleich breite Spalten (columns) (z.B. 4)

n mögliche "column-span"s (z.B. 25%, 50%, 75%, 100%) für jeden Width Intervall

```
// grid.css
/* 4-Columns Grid */

/* for Fenster Width < 768px */

.sm-col-span-1 { width: 25%; }
.sm-col-span-2 { width: 50%; }
.sm-col-span-3 { width: 75%; }
.sm-col-span-4 { width: 100%; }

/* for Fenster Width > 768px */

@media screen and (min-width: 768px) {
  .lg-col-span-1 { width: 25%; }
  .lg-col-span-2 { width: 50%; }
  .lg-col-span-3 { width: 75%; }
  .lg-col-span-4 { width: 100%; }
}

/* and jede oben Bereich soll float:left fähig sein */

[class*="col-span"] {
  float: left;
}
```

Layout Gestaltung mit Rules oben ---

Row-Gestaltung * (= wie "Column-Span"s in Row sich ordnen)

Zuordnung der Bereichen (<div> Elemente) in dem Row zu „Column-Span“s (für alle Width-Intervalls) so dass die Summe der allen Column-Spans in dem Row gleich 100%.

Und so weiter für andere Row.

Wir markieren die Bereiche mit den oben definierten Selectors und Styles gemäß (*)

```
<!DOCTYPE html>
<html>
  <head>
    <title>Responsive Grid</title>
    <meta name="viewport" content="width=device-width">
    <link rel="stylesheet" type="text/css" href="grid2.css">
  </head>
  <body>

    <div id="row1">
      <div class="sm-col-span-2 lg-col-span-4" style="background-color:Tomato;">
        <h2>Row1-Area1</h2>
      </div>
      <div class="sm-col-span-2 lg-col-span-4" style="background-color:Orange;">
        <h2>Row1-Area2</h2>
      </div>
    </div>

    <div id="row2">
      <div class="sm-col-span-4 lg-col-span-3" style="background-color:DodgerBlue;">
        <h2>Row2-Area1</h2>
      </div>
      <div class="sm-col-span-4 lg-col-span-1" style="background-color:MediumSeaGreen;">
        <h2>Row2-Area2</h2>
      </div>
    </div>

  </body>
</html>
```

Ein Beispiel -in Gesamt ---

// index.html file

```
<!DOCTYPE html>
<html>
<head>
  <title>Responsive Grid</title>
  <meta name="viewport" content="width=device-width">
  <link rel="stylesheet" type="text/css" href="grid.css">
</head>
<body>
<div class="row header">
  <div class="sm-col-span-2 lg-col-span-4"><h1>Blog</h1></div>
  <div class="sm-col-span-2 lg-col-span-4">
    <nav>
      <ul>
        <li><a href="#">Latest posts</a></li>
        <li><a href="#">Popular posts</a></li>
      </ul>
    </nav>
  </div>
</div>
<div class="row">
  <div class="sm-col-span-4 lg-col-span-3">
    <h2>Article title</h2>
    <p>02/10/2024</p>
    <p>Praesent commodo cursus magna, vel scelerisque nisl consectetur et. Cras justo odio... </p>
  </div>
  <div class="sm-col-span-4 lg-col-span-1">
    <h2>Related Articles</h2>
    <ul>
      <li><a href="#">Article item 1</a></li>
      <li><a href="#">Article item 2</a></li>
      <li><a href="#">Article item 3</a></li>
    </ul>
  </div>
</div>
</body>
</html>
```

// grid.css file

/* 4-Columns Grid */

```
.row:after {
  content: ' ';
  clear: both;
  display: block;
}
```

```

[class*="col-span"] {
    float: left;
    box-sizing: border-box;
    padding-left: 15px;
    padding-right: 15px;
}

.sm-col-span-1 { width: 25%; }
.sm-col-span-2 { width: 50%; }
.sm-col-span-3 { width: 75%; }
.sm-col-span-4 { width: 100%; }

@media screen and (min-width: 768px) {
    .lg-col-span-1 { width: 25%; }
    .lg-col-span-2 { width: 50%; }
    .lg-col-span-3 { width: 75%; }
    .lg-col-span-4 { width: 100%; }
}

/* Site specific css */

body {
    margin: 0;
    padding: 0;
    font-size: 14px;
    line-height: 18px;
}

.header {
    background: #304480;
    padding-top: 10px;
    padding-bottom: 10px;
    color: #fff;
}

nav { text-align: right; }
nav a { color: #fff; }
ul { padding: 0px; margin: 0px; }
ul li { list-style: none; }

@media screen and (min-width: 768px) {
    nav {
        text-align: center;
        padding-top: 10px;
        margin-top: 10px;
    }
    nav li { display: inline-block; }
}

```