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Bootstrap4 (Alpha)

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Bootstrap4

WAS ?

Bootstrap v4.0.0-alpha

Bootstrap4

WOHER ?

<http://v4-alpha.getbootstrap.com/>

<https://github.com/twbs/bootstrap/tree/v4-dev>

CDN: <https://cdn.rawgit.com/twbs/bootstrap/v4-dev/dist/css/bootstrap.css>

Bootstrap4

WAS IST NEU ?

SASS

+1 grid tier

~~px~~

~~IE8~~ (IE9)

Cards

JS (ES6)

Bootstrap4

WIE ?

SASS

“one for all”

(autoprefixer)

Bootstrap4

WIE ?

CSS

Table / Flex

Bootstrap4

UPDATE VON V3

Einfach!

~~(thumbnails, wells, panels)~~

Bootstrap4

SASS-CONFIG

```
$enable-flex: true;

$container-max-widths: (
  xs: 0,
  sm: 34rem,
  md: 48rem,
  lg: 62rem,
  xl: 75rem
);
```


Bootstrap4

ROOT:

font-size: 16px

XS

$x < 34\text{em}$

SM

$34\text{em} < x < 48\text{em}$

MD

$48\text{em} < x < 62\text{em}$

LG

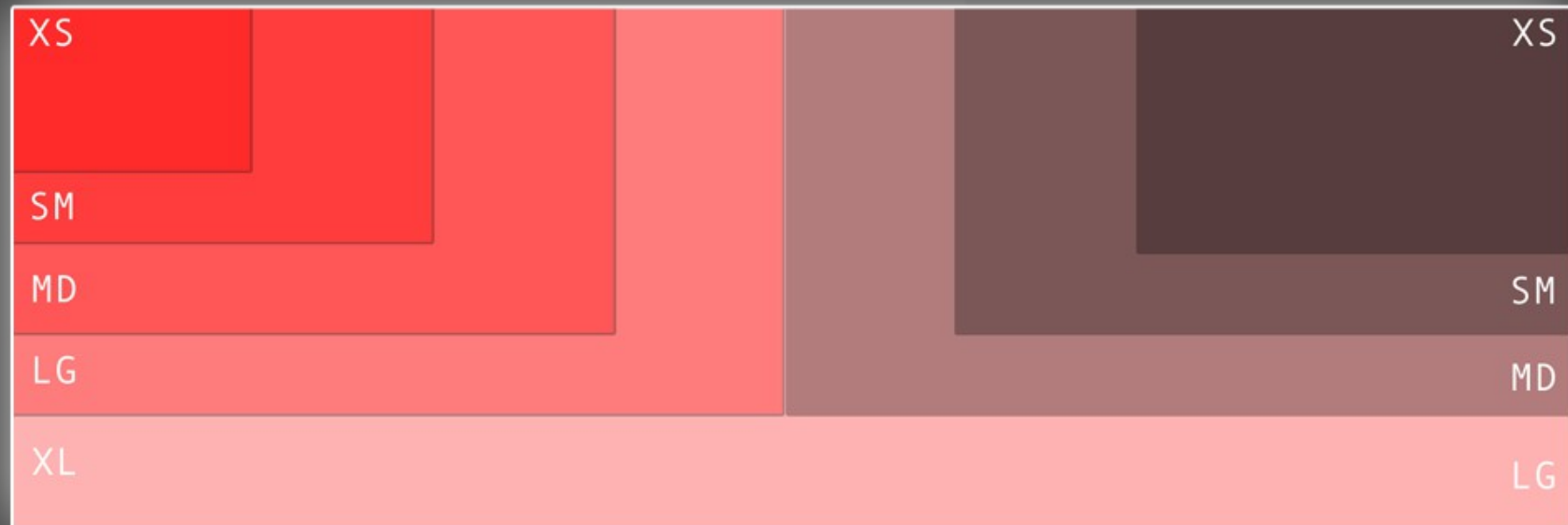
$62\text{em} < x < 75\text{em}$

XL

$x > 75\text{em}$

Bootstrap4

GRID



Bootstrap4

REM-SCALING

12px => 867px
16px => 1156px
20px => 1445px

Bootstrap4

CARDS

Eierlegende Wollmilchsau

Ersetzen:

Thumbnails
Wells
Panels

Bootstrap4

FLEXBOX

CSS3

IE10+

FF38+, GC31+
ANDROID 4.1+ (GC 44+)
IOS 7.1+

Bootstrap4

FLEXBOX

```
<div id="flex_demo_container">
  <div id="flex_header" class="flex">
    <h2>Header</h2>
    <div id="flex_icons">
      <% %w(alarm bulb home settings trash).each do |ico| %>
        <%= image_tag "icon_#{ico}.png" %>
      <% end %>
    </div>
  </div>
  <div id="flex_body">
    <div id="flex_main" class="flex">Main</div>
    <div id="flex_nav" class="flex">
      <ul>
        <% (1..7).each do |idx| %>
          <li><%= idx %></li>
        <% end %>
      </ul>
    </div>
    <div id="flex_sidebar" class="flex">Sidebar</div>
  </div>
  <div id="flex_footer" class="flex">Footer</div>
</div>
```

Bootstrap4

```
#flex_demo_container {
  flex-flow: column;
  height: 100vh;
}

#flex_header {
  align-items: center;
  justify-content: space-between;
}

#flex_body, #flex_main {
  flex-grow: 1;
}

#flex_nav, #flex_sidebar {
  min-width: 200px;
}

#flex_nav {
  order: -1;
  ul {
    display: flex;
    justify-content: space-between;
  }
}
```

```
@media (max-width: 768px) {
  #flex_header, #flex_body {
    flex-flow: column;
  }
  #flex_nav {
    background-color: orange;
  }
}
```