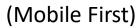
Responsive Web Design



Значение терминов размыто, примерно об одном и том же.

Progressive Enhancement

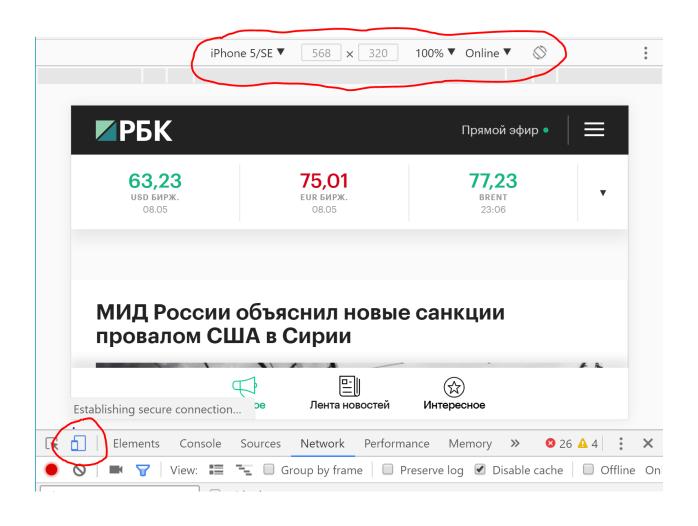




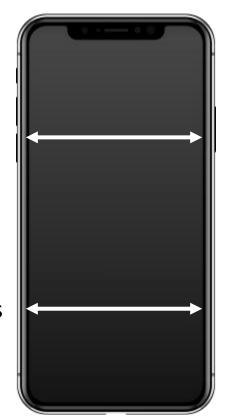
Graceful Degradation



Как тестировать сайт?



Пиксели

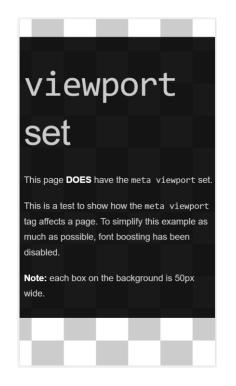


1125 hardware pixels

375 device independent pixels375 CSS pixels (no zoom)

Viewport — ширина страницы в DIP





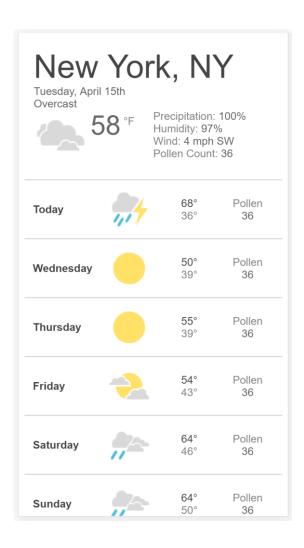
Смартфоны устанавливают ширину viewport в *примерно* 980 пикселей, если не указано явно

```
<meta
  name="viewport"
  content="width=device-width, initial-scale=1">
```

CSS Media Queries

```
<link rel="stylesheet" media="screen and (max-width: 640px)" href="max-640px.css">
<link rel="stylesheet" media="(min-width: 640px)" href="min-640px.css">
<link rel="stylesheet" media="(orientation: portrait)" href="portrait.css">
<link rel="stylesheet" media="(orientation: landscape)" href="landscape.css">
<style>
    @media (min-width: 500px) and (max-width: 600px) {
        h1 {
            color: fuchsia;
        .desc:after {
            content: "between 500px and 600px wide";
</style>
```

Breakpoint — момент изменения layout





```
<link rel="stylesheet"
href="weather.css">

<link rel="stylesheet" media="(max-width:600px)"
href="weather-2-small.css">

<link rel="stylesheet" media="(min-width:601px)"
href="weather-2-large.css">
```

Responsive Images

```
<picture>
    <source |
       media="(min-width: 800px)"
       srcset="photo.jpg, photo-2x.jpg 2x">
    <source |
       media="(min-width: 450px)"
       srcset="photo-small.jpg, photo-small-2x.jpg 2x">
    <img
       src="photo-fb.jpg"
       srcset="photo-fb-2x.jpg 2x">
</picture>
```