

Responsive Web Design

Responsive
(ОТЗЫВЧИВЫЙ)



Adaptive
(адаптивный)

Значение терминов размыто, примерно об одном и том же.

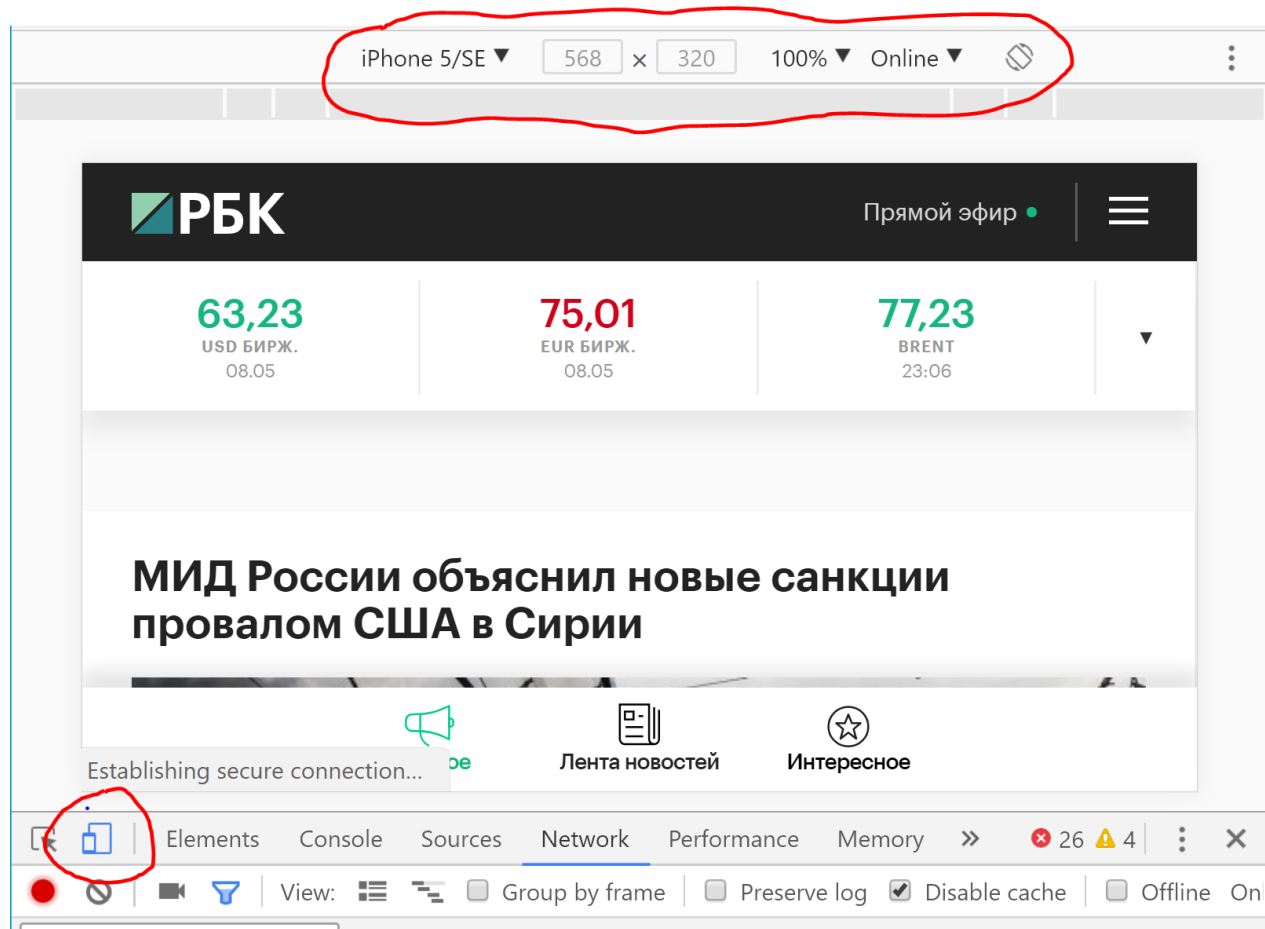
Progressive Enhancement (Mobile First)



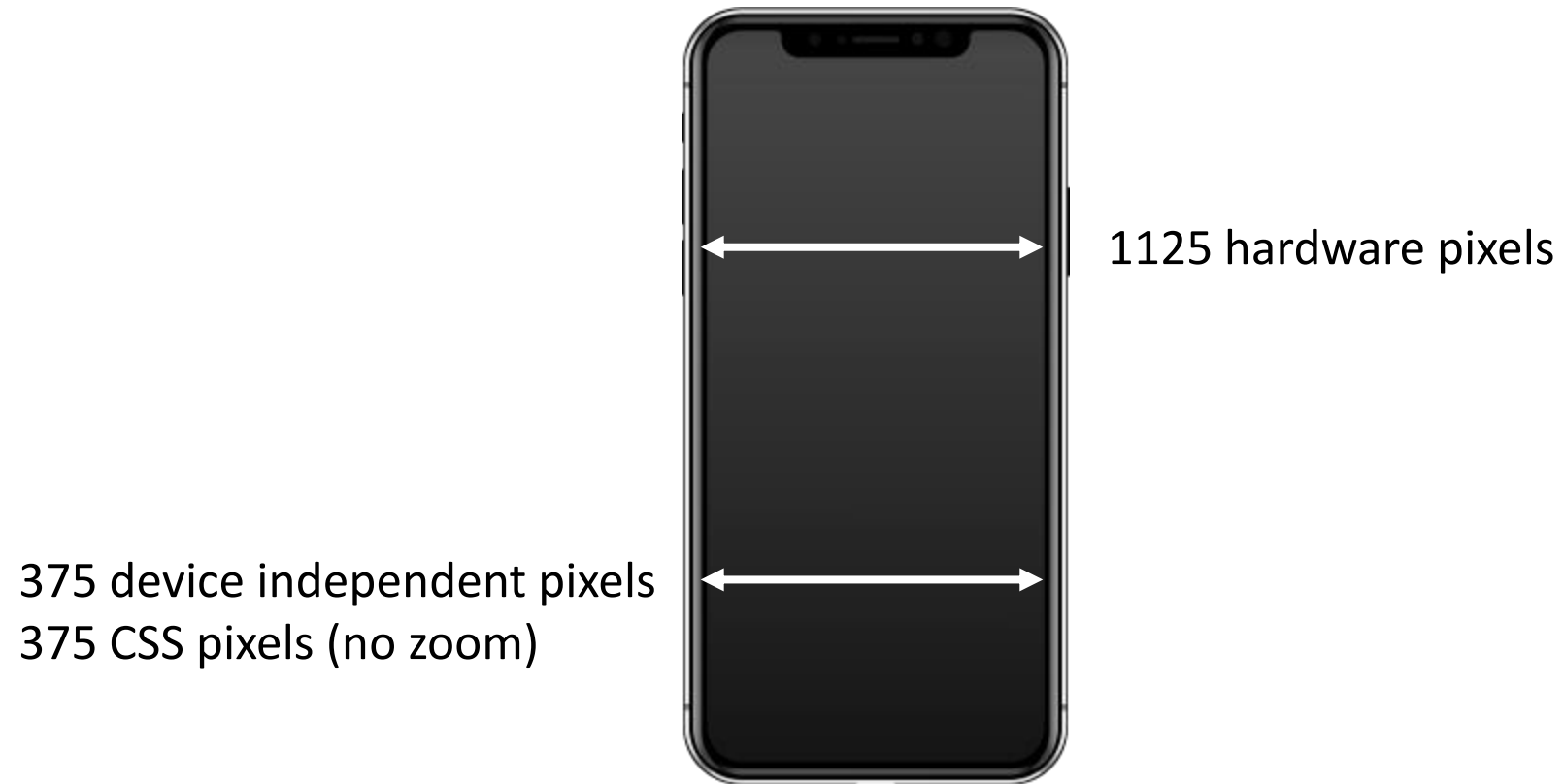
Graceful Degradation



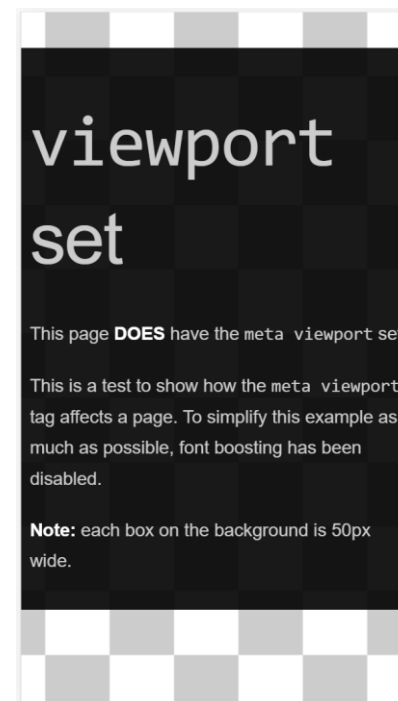
Как тестировать сайт?



Пиксели



Viewport — ширина страницы в DIP



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

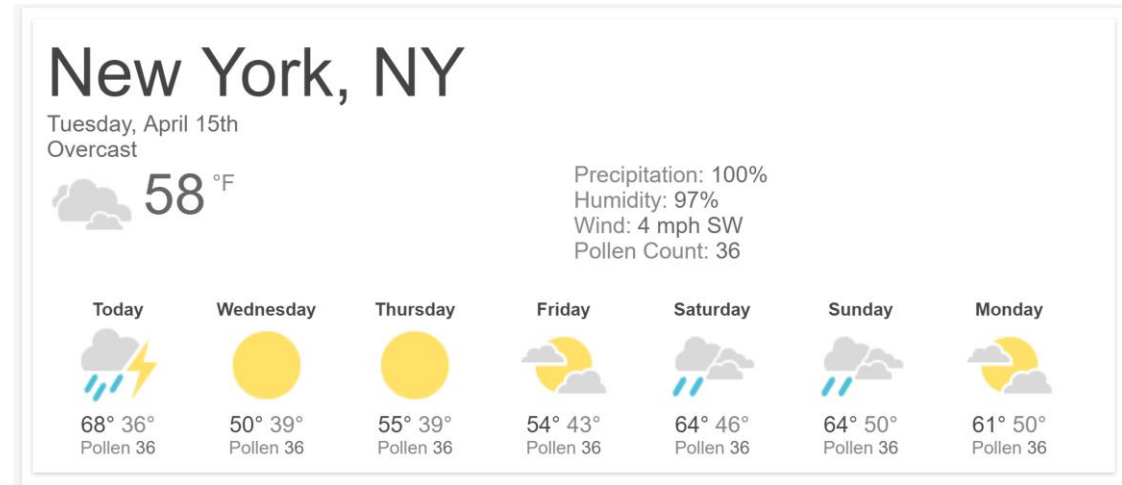
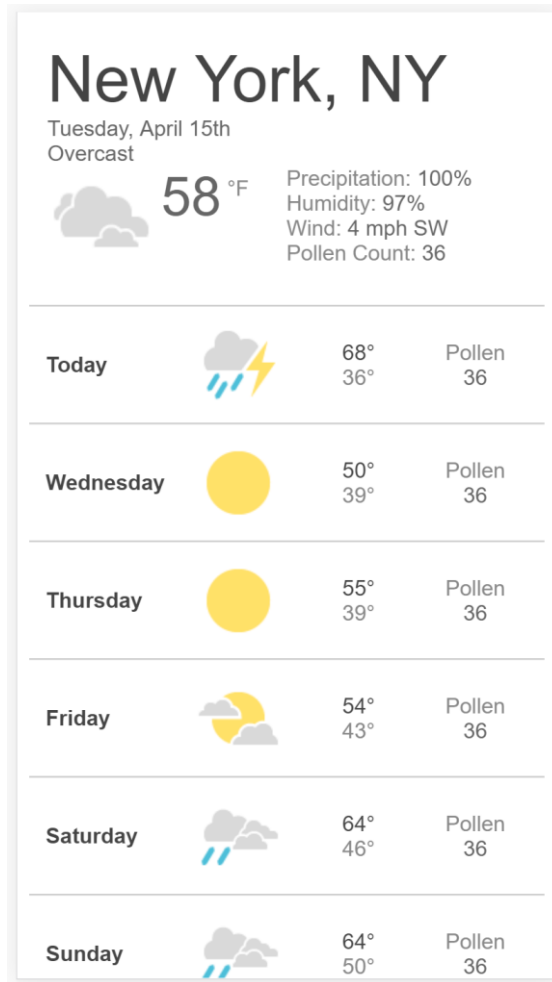
```
<meta  
  name="viewport"  
  content="width=device-width, initial-scale=1">
```

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">
```

```
  
```

```
</picture>
```