

[CSS 5]

Roi Yehoshua 2018

[What we learnt last time?]

- Browser default styles
- What is reset.css and why do we need it
- CSS block model
- box-sizing property
- Block display modes
- How to place several block elements on one line with “inline-block”
- How to create columns using <div> and “inline-block”

[Our targets for today]

- CSS selectors
- CSS units of measurement
- Using Chrome Developer Tools

[CSS Selectors]

- CSS selectors define the elements to which a set of CSS rules apply,
- Different CSS selectors can share same styles.

```
.bigButton, .smallButton {  
  color: white;  
}
```

- Same selectors may be reused multiple times.

```
.bigButton {  
  font-size: 2.4em;  
}
```

[CSS Selectors]

→ Universal	: * { margin:0; padding:0; }
→ Type	: p { font-size:2em; }
→ Class	: .info { background:#ff0; }
→ Multiple	: .info.error { color:#900; }
→ Element with class	: p.info { color: #111; }
→ ID	: #info { background:#ff0; }
→ Group	: td, th, div { font-size:1em; }
→ Descendent	: div p { color:#f00; }
→ Child	: div > strong { color:#f00; }
→ Adj sibling	: p + p { color:#f00; }
→ Attribute	: input[type="text"] { margin-left: 5px; }

[CSS Selectors Demo]

```
*
{
  color:Red;
}

h2
{
  color:Blue;
}

li h2
{
  color:Green;
}

#myListItem1
{
  color:Lime;
}

li.myListItem
{
  color:Navy;
}

.myListItem
{
  color:Orange;
}
```

```
<h2>Css Demo</h2>
this is a css demo
<ul>
  <li>
    <h2>header in list</h2>
    list1 item1
  </li>
</ul>
<ul>
  <li id="myListItem1">list2 item1</li>
  <li class="myListItem">list2 item2</li>
</ul>
<span class="myListItem">test</span>
```

Css Demo

this is a css demo

- header in list

list1 item1

- list2 item1
- list2 item2

test

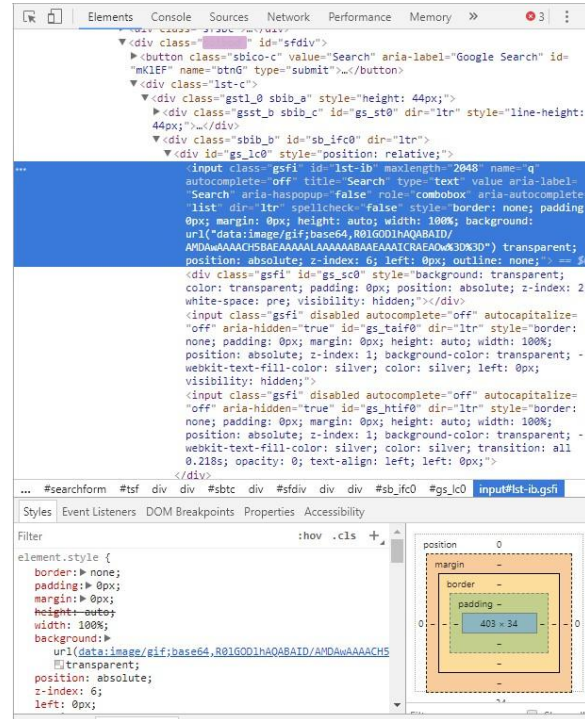
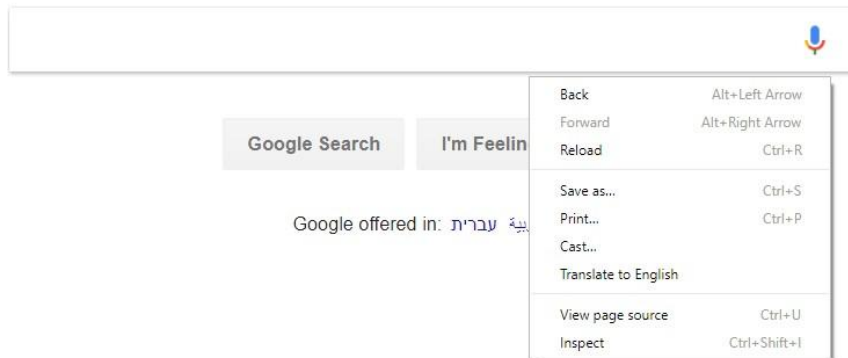
[CSS Units]

- **px** - most simple unit. Represent one pixel of the screen.
- **%** - percent of the element first parent container that defines a size boundaries.
- **em** - relative to the font size of element container.
- **rem** - relative to the font size of the document root element.
- **vh, vw** - percent of the current screen height (vh) or screen width (vw).
- **vmin, vmax** - lowest from vh and vw for vmin and highest for vmax.

[How To View HTML Source?]

- Have you ever seen a Web page and wondered "Hey! How did they do that?"
- View HTML Source Code:
 - To find out, right-click in the page and select "View Page Source" (in Chrome) or similar in other browsers. This will open a window containing the HTML source code of the page.
- Inspect an HTML Element:
 - Right-click on an element, and choose "Inspect" or "Inspect Element" to see what elements are made up of (you will see both the HTML and the CSS)
 - You can also edit the HTML or CSS on-the-fly in the Elements or Styles panel that opens

[How To View HTML Source?]



[Control questions]

1. What is CSS selector?
2. Which CSS selectors do you know?
3. Name several CSS units of measurement
4. What is the difference between % and **vh/vw** units?
5. How can you examine HTML elements in your browser?

[Materials]

Core materials:

<http://everstudent.ru/blog/htmlcss/30-css-seletors-to-memorize/>

<https://devionity.com/ru/courses/css-fundamentals/applying-css-to-html-document>

<https://learn.javascript.ru/css-units>

<http://htmlbook.ru/samhtml/tekst/spetssimvoly>

<https://quasi-art.ru/library/it/webdev-tools-like-a-boss>

Additional materials:

<https://html5book.ru/specsimvoly-html/#part6>

<https://xdan.ru/uluchshaem-navyki-raboty-s-google-chrome-developer-tools.html>

Video materials:

<https://www.youtube.com/watch?v=C8pO3Rbepgs>

<https://www.youtube.com/watch?v=C8Z-N0y6Sgo>