

LAYOUT MED CSS (2)





LAYOUT MED CSS (2)

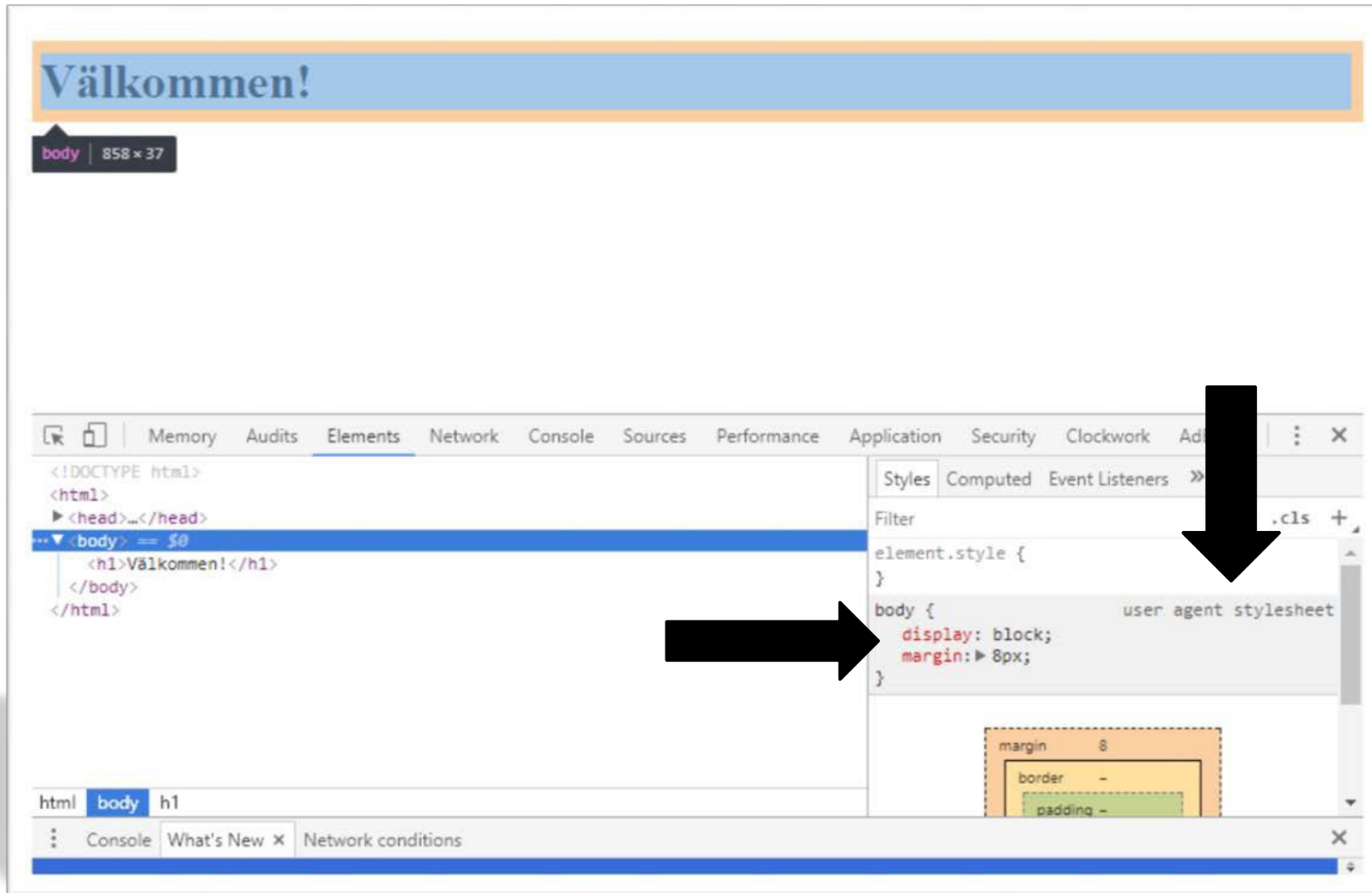


A watercolor palette with various colors (red, orange, yellow, pink, purple, blue) and several brushes with wooden handles and metal ferrules are arranged on a dark wooden surface. The palette is in the top left corner, and the brushes are fanned out in the bottom left corner.

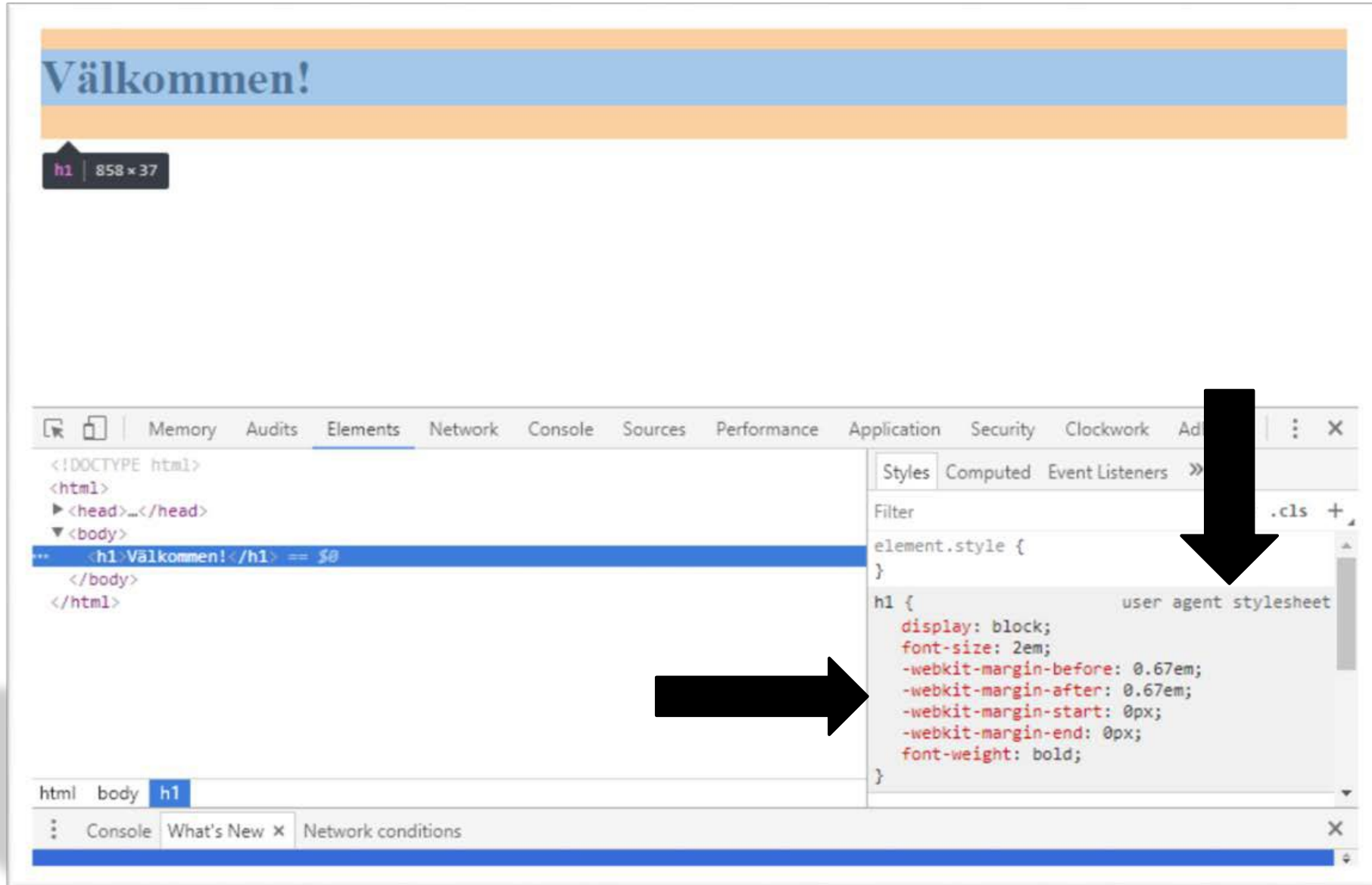
Dagens agenda

- Tips och trix kring CSS
 - CSS reset
 - Repetition av arv
(och viktighet av CSS-regler)
 - "Nya" CSS 3-egenskaper
 - CSS-animationer
- Layout med Flexbox
- Layout med Grids

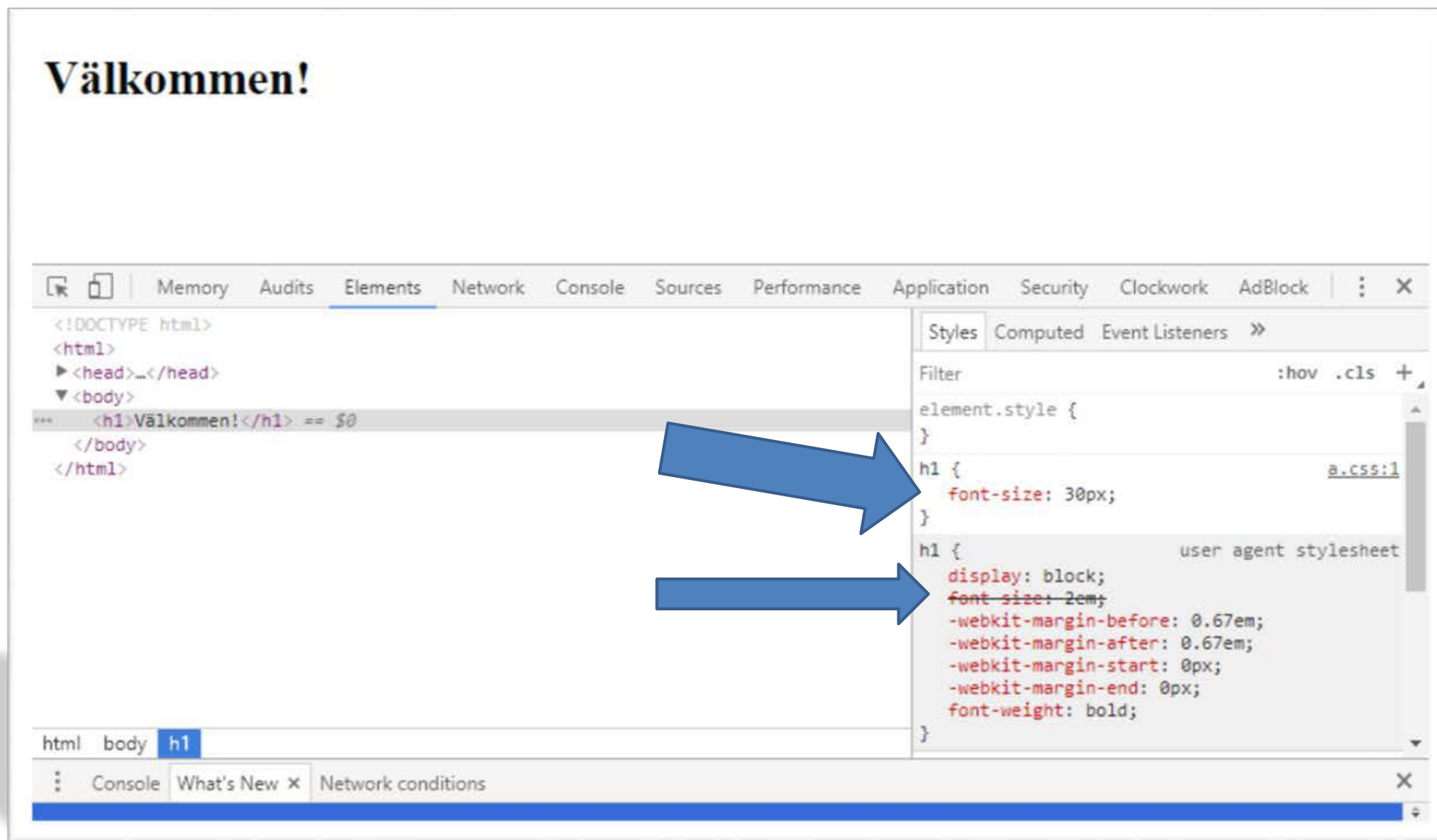
Förinställda CSS-regler för webbläsaren



Förinställda CSS-regler för webbläsaren



Att skriva över webbläsarens evenaskaper?



MEN DETTA ÄR JU JOBBIGT – HUR
VET JAG ALLA WEBBLÄSARENS
FÖRINSTÄLLDA CSS-EGENSKAPER?

... och hur ändrar jag dessa?

CSS: reset?

World Wide Web

The WorldWideWeb (W3) is a wide-area [hypermedia](#) information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an [executive summary](#) of the project, [Mailing lists](#) , [Policy](#) , November's [W3 news](#) , [Frequently Asked Questions](#) .

[What's out there?](#)

Pointers to the world's online information, [subjects](#) , [W3 servers](#), etc.

[Help](#)

on the browser you are using

[Software Products](#)

A list of W3 project components and their current state. (e.g. [Line Mode](#) , [X11 Viola](#) , [NeXTStep](#) , [Servers](#) , [Tools](#) , [Mail robot](#) , [Library](#))

[Technical](#)

Details of protocols, formats, program internals etc

[Bibliography](#)

Paper documentation on W3 and references.

[People](#)

A list of some people involved in the project.

[History](#)

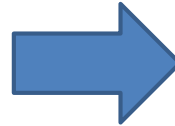
A summary of the history of the project.

[How can I help ?](#)

If you would like to support the web..

[Getting code](#)

Getting the code by [anonymous FTP](#) , etc.



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How can I help ?

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Getting code

Getting the code by anonymous FTP , etc.

```
/* http://meyerweb.com/eric/tools/css/reset/
v2.0 | 20110126
License: none (public domain)
*/

html, body, div, span, applet, object, iframe,
h1, h2, h3, h4, h5, h6, p, blockquote, pre,
a, abbr, acronym, address, big, cite, code,
del, dfn, em, img, ins, kbd, q, s, samp,
small, strike, strong, sub, sup, tt, var,
b, u, i, center,
dl, dt, dd, ol, ul, li,
fieldset, form, label, legend,
table, caption, tbody, tfoot, thead, tr, th, td,
article, aside, canvas, details, embed,
figure, figcaption, footer, header, hgroup,
menu, nav, output, ruby, section, summary,
time, mark, audio, video {
    margin: 0;
    padding: 0;
    border: 0;
    font-size: 100%;
    font: inherit;
    vertical-align: baseline;
}
/* HTML5 display-role reset for older browsers */
article, aside, details, figcaption, figure,
footer, header, hgroup, menu, nav, section {
    display: block;
}
body {
    line-height: 1;
}
ol, ul {
    list-style: none;
}
blockquote, q {
    quotes: none;
}
blockquote:before, blockquote:after,
q:before, q:after {
    content: '';
    content: none;
}
table {
    border-collapse: collapse;
    border-spacing: 0;
}
```

Välkommen!

h1 | 1219 x 16

Memory Audits Elements Network Console Sources Performance Application Security Clockwork ADBlock

<!DOCTYPE html>
<html>
 <head>...</head>
 <body>
 <h1>Välkommen!</h1> == \$0
 </body>
</html>

Styles

Computed Event Listeners DOM Breakpoints Properties

Filter :hov .cls +

element.style {
}

html, body, div, span, applet, object, iframe, h1, h2, h3, h4, h5, h6, p, blockquote, pre, a, abbr, reset.css:18
acronym, address, big, cite, code, del, dfn, em, img, ins, kbd, q, s, samp, small, strike, strong, sub, sup, tt,
var, b, u, i, center, dl, dt, dd, ol, ul, li, fieldset, form, label, legend, table, caption, tbody, tfoot,
thead, tr, th, td, article, aside, canvas, details, embed, figure, figcaption, footer, header, hgroup, menu,
nav, output, ruby, section, summary, time, mark, audio, video {
 margin: 0;
 padding: 0;
 border: 0;
 font-size: 100%;
 font: inherit;
 vertical-align: baseline;
}

h1 { user agent stylesheet
 display: block;
 ~~font-size: 2em;~~
 -webkit-margin-before: 0.67em;
 -webkit-margin-after: 0.67em;
 -webkit-margin-start: 0px;
 -webkit-margin-end: 0px;
 ~~font-weight: bold;~~
}

Inherited from body

body { reset.css:31
 ~~line-height: 1;~~
}

html, body, div, span, applet, object, iframe, h1, h2, h3, h4, h5, h6, p, blockquote, pre, a, abbr, reset.css:18
acronym, address, big, cite, code, del, dfn, em, img, ins, kbd, q, s, samp, small, strike, strong, sub, sup, tt,
var, b, u, i, center, dl, dt, dd, ol, ul, li, fieldset, form, label, legend, table, caption, tbody, tfoot,
thead, tr, th, td, article, aside, canvas, details, embed, figure, figcaption, footer, header, hgroup, menu,

html body h1

Console What's New x Network conditions

CSS reset

Fördelar

- Full kontroll över sin CSS-kod
- Tar bort ev. skillnader mellan webbläsare

Nackdelar

- Mer kod att skriva, då vi ej använder den ”färdiga” koden webbläsaren
- Man måste tänka på att formge *alla element* som ska formges.
 - är nu inte fetstilt, t.ex.
 - Listor har inga nummer/punkter
 - Etc.

ATT HÅLLA KOLL PÅ VILKA EGENSKAPER SOM GÄLLER

Inte alltid så enkelt som man tror!

Selector	Example	Example description	CSS
<i>.class</i>	<i>.intro</i>	Selects all elements with class="intro"	1
<i>#id</i>	<i>#firstname</i>	Selects the element with id="firstname"	1
<i>*</i>	<i>*</i>	Selects all elements	2
<i>element</i>	<i>p</i>	Selects all <p> elements	1
<i>element,element</i>	<i>div, p</i>	Selects all <div> elements and all <p> elements	1
<i>element element</i>	<i>div p</i>	Selects all <p> elements inside <div> elements	1
<i>element>element</i>	<i>div > p</i>	Selects all <p> elements where the parent is a <div> element	2
<i>element+element</i>	<i>div + p</i>	Selects all <p> elements that are placed immediately after <div> elements	2

JU MER SPECIFIK EN SELETOR ÄR,
JU HÖGRE PRIORITERAS DEN

Tumregel

CSS

```
1 body {  
2     background-color: pink;  
3 }
```

Exempel

HTML

```
1 <!doctype html>  
2 <html>  
3   <head>  
4     <meta charset="utf-8">  
5     <title>Demo</title>  
6     <link href="a.css" rel="stylesheet">  
7   </head>  
8  
9   <body>  
10    <h1>Välkommen!</h1>  
11  
12    <p>Detta är en rad text!</p>  
13    <p>Detta är en rad text!</p>  
14    <p>Detta är en rad text!</p>  
15    <p>Detta är en rad text!</p>  
16    <p>Detta är en rad text!</p>  
17  
18  </body>  
19 </html>
```

Webbläsare

Välkommen!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Exempel

HTML

```
1 <!doctype html>
2 <html>
3   <head>
4     <meta charset="utf-8">
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6     <link href="a.css" rel="stylesheet">
7   </head>
8
9   <body>
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11
12    <p>Detta är en rad text!</p>
13    <p>Detta är en rad text!</p>
14    <p>Detta är en rad text!</p>
15    <p>Detta är en rad text!</p>
16    <p>Detta är en rad text!</p>
17
18  </body>
19 </html>
```

CSS

```
1 body {
2     background-color: pink;
3 }
4
5 p {
6     background-color: blue;
7 }
```

Webbläsare

Välkommen!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Välkommen!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

MemoryAuditsElementsNetworkConsoleSourcesPerformanceApplicationSecurityClockworkAdBlock

<!DOCTYPE html>
<html>
 <head>...</head>
 <body>
 <h1>Välkommen!</h1>
 <p>Detta är en rad text!</p> == \$0
 <p>Detta är en rad text!</p>
 <p>Detta är en rad text!</p>
 <p>Detta är en rad text!</p>
 <p>Detta är en rad text!</p>
 </body>
</html>

htmlbody

StylesComputedEvent Listeners»

Filter: :hov .cls +

element.style {
}
p {
 background-color: blue; a.css:5
}
p {
 user agent stylesheet
 display: block;
 -webkit-margin-before: 1em;
 -webkit-margin-after: 1em;
 -webkit-margin-start: 0px;
 -webkit-margin-end: 0px;
}

margin16

border-

ConsoleWhat's New ×Network conditions ×

Exempel

HTML

```
1 <!doctype html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Demo</title>
6     <link href="a.css" rel="stylesheet">
7   </head>
8
9   <body>
10    <h1>Välkommen!</h1>
11
12    <p class="green">Detta är en rad text!</p>
13    <p>Detta är en rad text!</p>
14    <p class="green">Detta är en rad text!</p>
15    <p>Detta är en rad text!</p>
16    <p class="green">Detta är en rad text!</p>
17
18  </body>
19 </html>
```

CSS

```
1 body {
2     background-color: pink;
3 }
4
5 p {
6     background-color: blue;
7 }
8
9 .green {
10     background-color: green;
11 }
```

Webbläsare

Välkommen!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Välkommen!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

MemoryAuditsElementsNetworkConsoleSourcesPerformanceApplicationSecurityClockworkAdBlock

<!DOCTYPE html>
<html>
 <head>...</head>
 <body>
 <h1>Välkommen!</h1>
 <p class="green">Detta är en rad text!</p> == \$0
 <p>Detta är en rad text!</p>
 <p class="green">Detta är en rad text!</p>
 <p>Detta är en rad text!</p>
 <p class="green">Detta är en rad text!</p>
 </body>
</html>

StylesComputedEvent Listeners

Filter: :hov .cls +

element.style {
}

.green {
 background-color: green; a.css:9
}

p {
 background-color: blue; a.css:5
}

p {
 user agent stylesheet
 display: block;
 -webkit-margin-before: 1em;
 -webkit-margin-after: 1em;
 -webkit-margin-start: 0px;
 -webkit-margin-end: 0px;
}

htmlbodyp.green

ConsoleWhat's New xNetwork conditions

Exempel

HTML

```
1 <!doctype html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Demo</title>
6     <link href="a.css" rel="stylesheet">
7   </head>
8
9   <body>
10    <h1>Välkommen!</h1>
11
12    <p class="green">Detta är en rad text!</p>
13    <p>Detta är en rad text!</p>
14    <p class="green" id="red">Detta är en rad text!</p>
15    <p>Detta är en rad text!</p>
16    <p class="green">Detta är en rad text!</p>
17
18  </body>
19 </html>
```

CSS

```
1 body {
2     background-color: pink;
3 }
4
5 p {
6     background-color: blue;
7 }
8
9 .green {
10     background-color: green;
11 }
12
13 #red {
14     background-color: red;
15 }
```

Webbläsare

Välkommen!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Välkommen!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Detta är en rad text!

Memory Audits Elements Network Console Sources Performance Application Security Clockwork ADBlock

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <body>
    <h1>Välkommen!</h1>
    <p class="green">Detta är en rad text!</p>
    <p>Detta är en rad text!</p>
    ... <p class="green" id="red">Detta är en rad text!</p> == $0
    <p>Detta är en rad text!</p>
    <p class="green">Detta är en rad text!</p>
  </body>
</html>
```

Styles Computed Event Listeners >>

Filter :hov .cls +

element.style {
}
#red {
 background-color: red; a.css:13
}
.green {
 background-color: green; a.css:9
}
p {
 background-color: blue; a.css:5
}
p {
 user agent stylesheet
 display: block;
 -webkit-margin-before: 1em;
 -webkit-margin-after: 1em;
 -webkit-margin-start: 0px;

html body p#red.green

Console What's New x Network conditions x

ESS



CSS3

CSS3 Introduction

CSS3 Rounded Corners

CSS3 Border Images

CSS3 Backgrounds

CSS3 Colors

CSS3 Gradients

CSS3 Shadows

CSS3 Text

CSS3 Fonts

CSS3 2D Transforms

CSS3 3D Transforms

CSS3 Transitions

CSS3 Animations

CSS3 Images

CSS3 Buttons

CSS3 Pagination

CSS3 Multiple Columns

CSS3 User Interface

CSS3 Box Sizing

CSS3 Flexbox

CSS3 Media Queries

CSS3 MQ Examples

CSS3 Modules

CSS3 has been split into "modules". It contains the "old CSS specification" (which has been split into smaller pieces) and new modules are added.

Some of the most important CSS3 modules are:

- Selectors
- Box Model
- Backgrounds and Borders
- Image Values and Replaced Content
- Text Effects
- 2D/3D Transformations
- Animations
- Multiple Column Layout
- User Interface

Most of the new CSS3 properties are implemented in modern browsers.

```
49 }
```

```
50
```

```
51 .animate {
```

```
52     display: -webkit-flex;
```

```
53     display: -moz-flex;
```

```
54     display: -ms-flex;
```

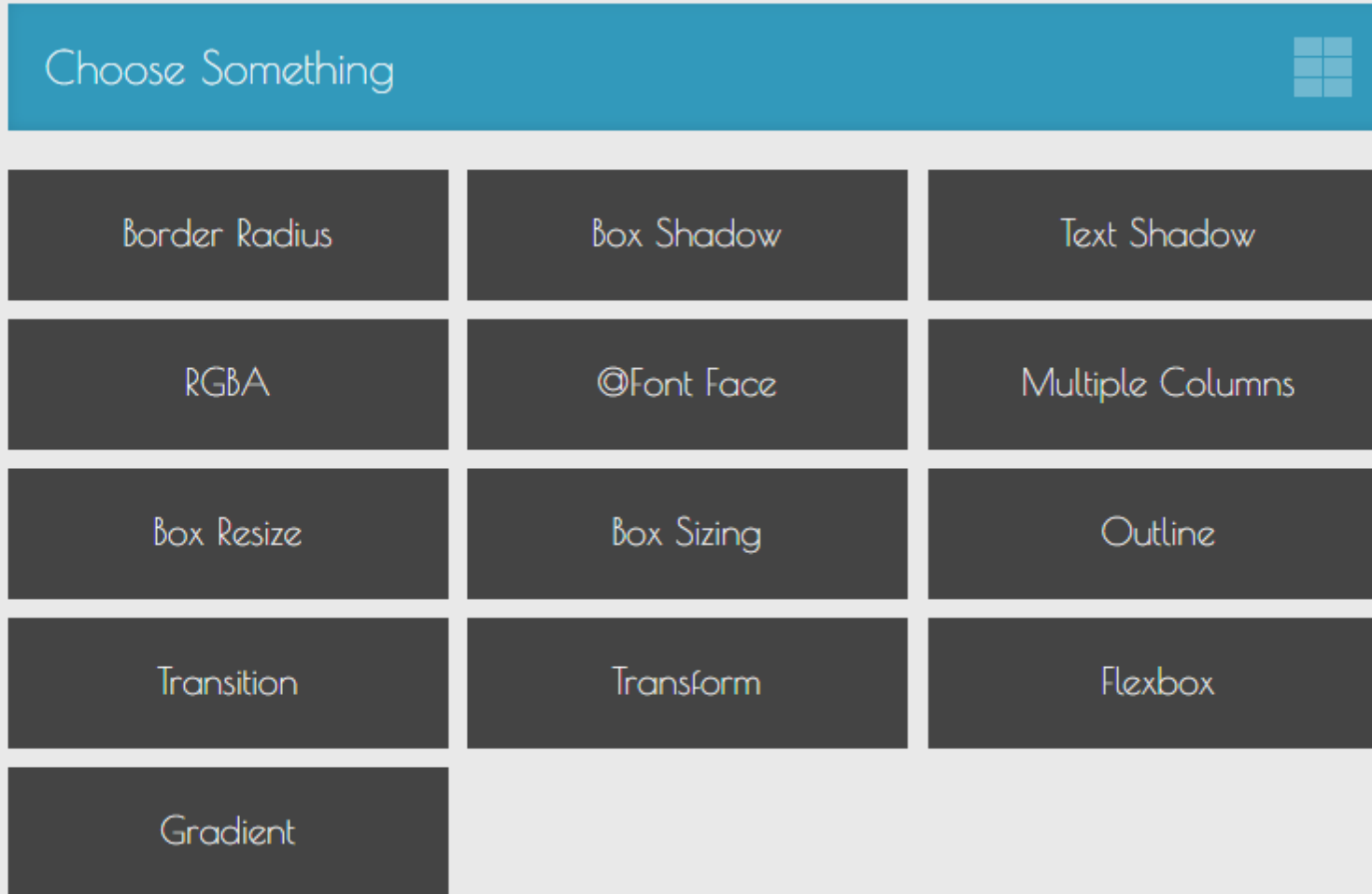
```
55     display: -o-flex;
```

```
56     display: flex;
```

```
57 }
```

```
58
```


CSS3 Generator



<http://css3generator.com/>

DEMO

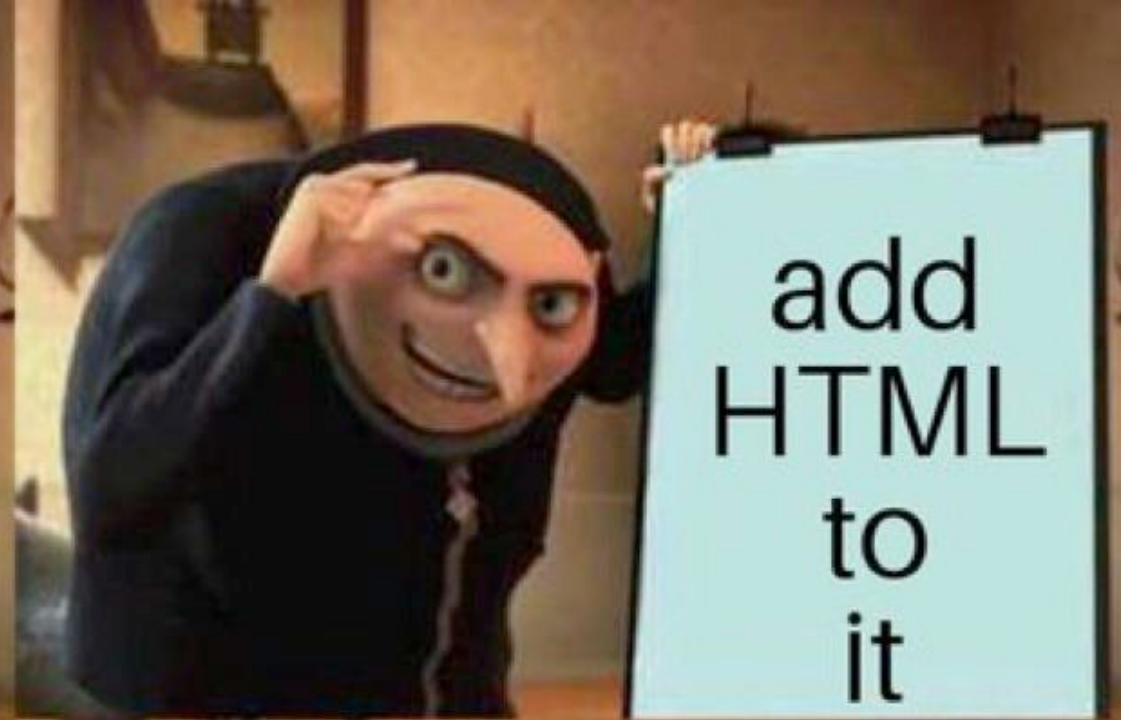
Rundade hörn, skugga,
animationer, etc.

+ CSS reset

LAYOUTER - HISTORIK

ONE DOES NOT SIMPLY...

**KNOW HELL UNTIL THEY'VE TRIED
WEB DEVELOPMENT WITH CSS**



CSS

IS

AWESOME



CSS 1: 1996

- Formatera text (typsnitt, fetstilt, kursivt)
- Färg för text och element
- Textattribut (avstånd mellan ord, mellan rader, etc.)
- Placering av element (text, bilder, tabeller, m.m.)
- Marginaler, "luft" (padding), ramar, positionering
- M.m.



CSS 2: 2004

- Positionering: Absolute, fixed, relative
- Z-index
- Nya text-egenskaper (t.ex. skuggor)



CSS 2.1: 2007 (2009, 2011)

- Media typer
- Visuella effekter
- Tabeller
- Bättre selektorer
- M.m.



CSS 3: ?

- Bättre selektorer
- Media Queries
- Kolumner
- Flexibel layout
- Grids layout
- M.m.



FLEXBOX

<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

TABLE OF CONTENTS

1	Introduction
1.1	Overview
1.2	Module interactions
2	Flex LayoutBox Model and Terminology
3	Flex Containers: the 'flex' and 'inline-flex' 'display' values
4	Flex Items
4.1	Absolutely-Positioned FlexChildren
4.2	Flex Item Margins and Paddings
4.3	Flex ItemZ-Ordering
4.4	Collapsed Items
4.5	Automatic Minimum Size of Flex Items
5	Ordering and Orientation
5.1	Flex Flow Direction the 'flex-direction' property
5.2	Flex Line Wrapping the 'flex-wrap' property
5.3	Flex Direction and Wrap the 'flex-flow' shorthand
5.4	Display Order: the 'order' property
5.4.1	Reordering andAccessibility
6	Flex Lines
7	Flexibility

ess Flexible Box Layout Module Level 1

W3C Candidate Recommendation, 19 October 2017

This version:

<https://www.w3.org/TR/2017/CR-css-flexbox-1-20171019/>

Latest publishedversion:

<https://www.w3.org/TR/css-flexbox-1/>

Editor's Draft:

<https://drafts.csswg.org/css-flexbox/>

Previous Versions:

<https://www.w3.org/TR/2016/CR-css-flexbox-1-20160526/>

<https://www.w3.org/TR/2016/CR-css-flexbox-1-20160301/>

<https://www.w3.org/TR/2015/WD-css-flexbox-1-20150514/>

<https://www.w3.org/TR/2014/WD-css-flexbox-1-20140925/>

<https://www.w3.org/TR/2014/WD-css-flexbox-1-20140325/>

<https://www.w3.org/TR/2012/CR-css3-lflexbox-20120918/>

<https://www.w3.org/TR/2012/WD-css3-flexbox-20120612/>

<https://www.w3.org/TR/2012/WD-css3-flexbox-20120322/>

<https://www.w3.org/TR/2011/WD-css3-flexbox-20111129/>

<https://www.w3.org/TR/2011/WD-css3-flexbox-20110322/>

<https://www.w3.org/TR/2009/WD-css3-flexbox-20090723/>

Test Suite:

http://testcsswg.org/suites/css-flexbox-1_dev/nightly-unstable/

Editors:

[Tab Atkins Jr.](#) (Google)

[Elika J. Etemad / fantasai](#) {Invited Expert}

[Rossen Atanassov](#) (Microsoft)




I'm Centered!

This box is both vertically and horizontally centered. Even if the text in this box changes to make it wider or taller, the box will still be centered. Go ahead, give it a try. Just click to edit the text.

Sticky Footer

Click the button below to hide the contents of this page. Notice how the footer sticks to the bottom of the window even when there's not enough content to fill the page.

 Toggle Contents

Nested Media Objects



Media Object Title

Phasellus vel felis purus. Aliquam consequat pellentesque dui, non mollis erat dictum sit amet. Curabitur non quam dictum, consectetur arcu in, vehicula justo.



Mauris porta arcu id magna adipiscing lacinia at congue lacus. Vivamus blandit quam quis tincidunt egestas. Etiam posuere lectus sed sapien malesuada molestie.



Vestibulum ac turpis non lacus dignissim dignissim eu sed dui. Proin a ligula sit amet massa malesuada mattis eu a ante. Nunc porttitor sed quam quis sollicitudin. Vestibulum ac turpis non lacus dignissim dignissim eu sed dui.



Rutrum risus aliquam vitae.



Media Object Title

Phasellus vel felis purus. Aliquam consequat pellentesque dui, non mollis erat dictum sit amet. Curabitur non quam dictum, consectetur arcu in, vehicula justo. Donec tortor massa, eleifend nec viverra in, aliquet at eros. Mauris laoreet condimentum mauris, non tempor massa fermentum ut.



Donec imperdiet sem leo, id rutrum risus aliquam vitae.



Mauris porta arcu id magna adipiscing lacinia at congue lacus. Vivamus blandit quam quis tincidunt egestas. Etiam posuere lectus sed sapien malesuada molestie. Aliquam vitae pharetra dolor. Nullam non mattis nunc.

Add-on Prepended

Amount	<input type="text"/>
--------	----------------------

Q	<input type="text"/>
---	----------------------

Add-on Appended

<input type="text"/>	Go
----------------------	----

<input type="text"/>	★
----------------------	---

Appended and Prepended Add-ons

✉	Example One	Send
---	-------------	------

🔒	Example One	Encrypt
---	-------------	---------

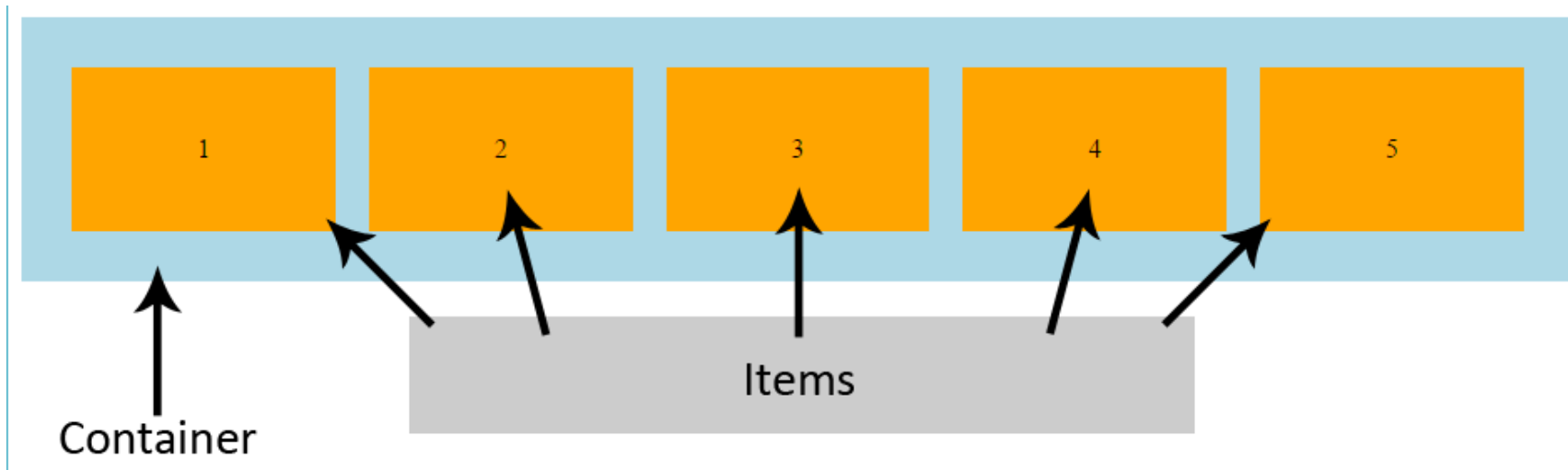
Basic Grids

The grid cells below do not specify any widths, they just naturally space themselves equally and expand to fit the entire row. They're also equal height by default.

1/2	1/2		
1/3	1/3	1/3	
1/4	1/4	1/4	1/4
Full-height, even when my content doesn't fill the space.	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum mollis velit non gravida venenatis. Praesent consequat lectus purus, ut scelerisque velit condimentum eu. Maecenas sagittis ante ut turpis varius interdum. Quisque tellus ipsum, eleifend non ipsum id, suscipit ultricies neque.		

Vad är flexbox?

- Ett sätt att positionera ut element på en webbsida
 - Ett alternativ till att använda t.ex. float för att bygga layouter
- Flexbox utgår från att positionerna ut barn-element i en "container" på olika sätt.



Om Flexbox

Fördelar

- Enkelt att anpassa elements storlek efter dess innehåll
- Enkelt att centrera element (vertikalt & horisontellt)
- Enkelt att sätta i vilken ordning som element ska visas

Nackdelar

- Dåligt stöd för äldre webbläsare, även ”nyare” versioner av IE (IE 11 har stöd)
- Svårt att bygga ”bra” layouter, mer för att strukturera innehåll

 - CR

Support includes all properties prefixed with `flex`, as well as `display: flex`, `display: inline-flex`, `align-content`, `align-items`, `align-self`, `justify-content` and `order`.

% of all users

$$96.71\% + 1.74\% = 98.45\%$$
$$96.57\% + 1.28\% = 97.85\%$$

Usage relative

Filtered

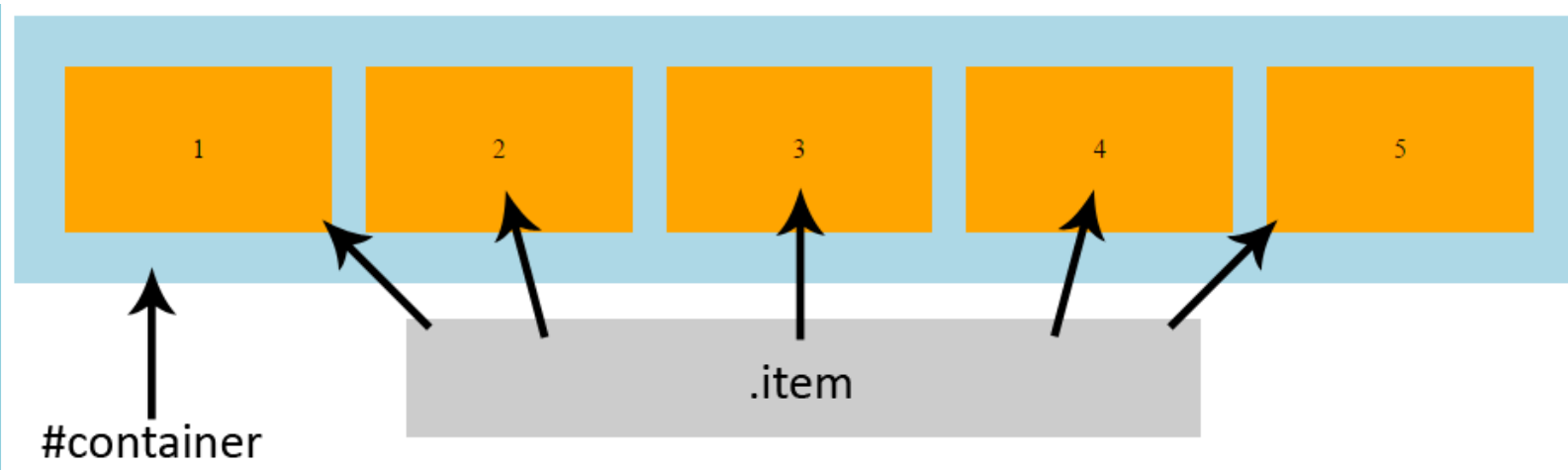
[illegible]

Vårt upplägg

```
<div id="container">
  <div class="item">1</div>
  <div class="item">2</div>
  <div class="item">3</div>
  <div class="item">4</div>
  <div class="item">5</div>
</div>
```

```
#container{
  background-color: lightblue;
  padding: 20px;
  /* Egenskaper för flexbox */
  display: flex;
}

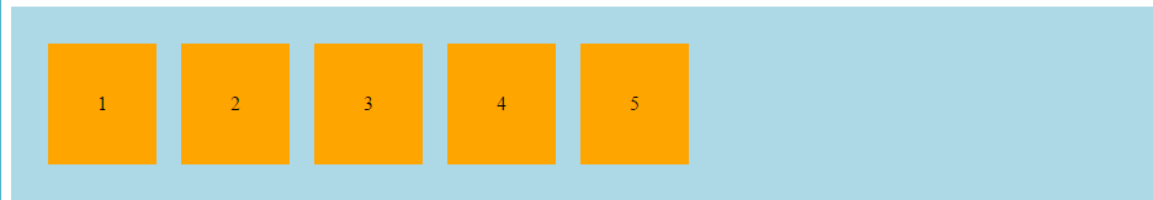
.item{
  text-align: center;
  background-color: orange;
  margin: 10px;
  padding: 40px;
}
```



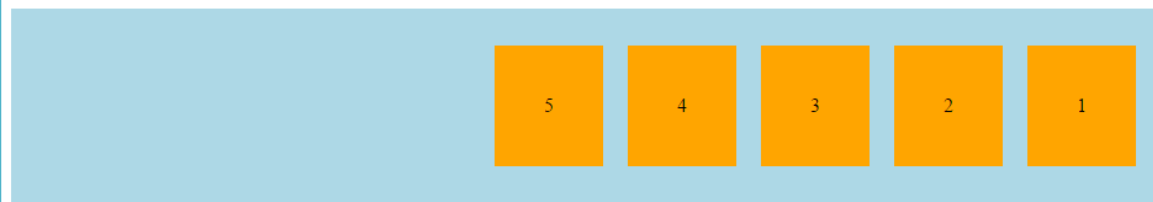
#container

flex-direction

- flex-direction: row; (standard)



- flex-direction: row-reverse;



#container

flex-direction: column;



flex-direction

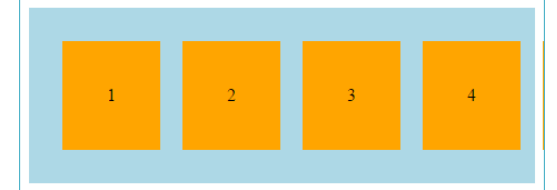
flex-direction: column-reverse;



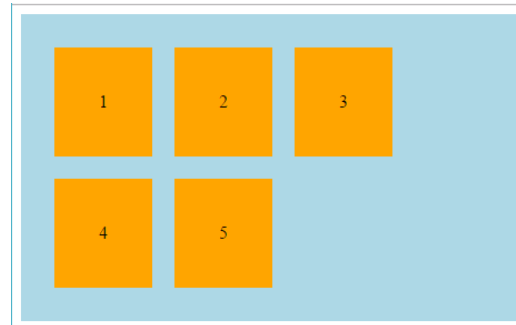
#container

- flex-wrap: nowrap; (standard) – Allt på samma rad

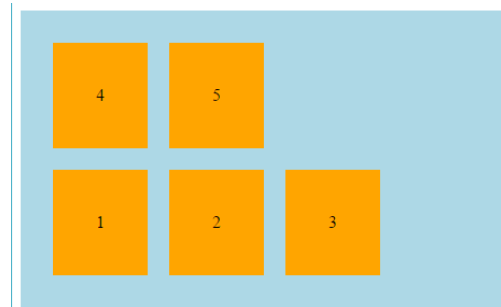
flex-wrap



- flex-wrap: wrap;



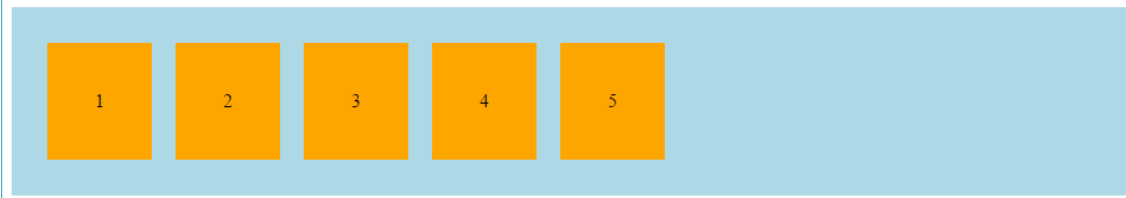
- flex-wrap: wrap-reverse;



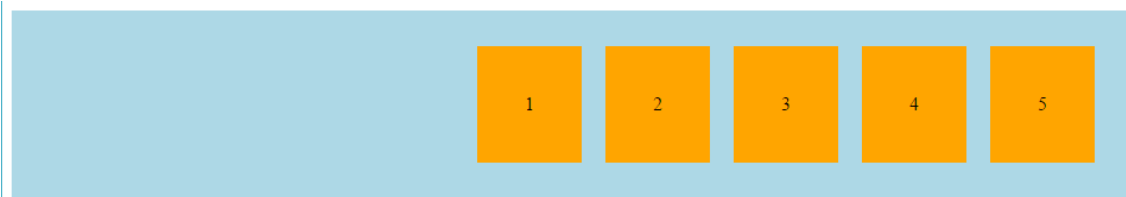
#container

justify-content

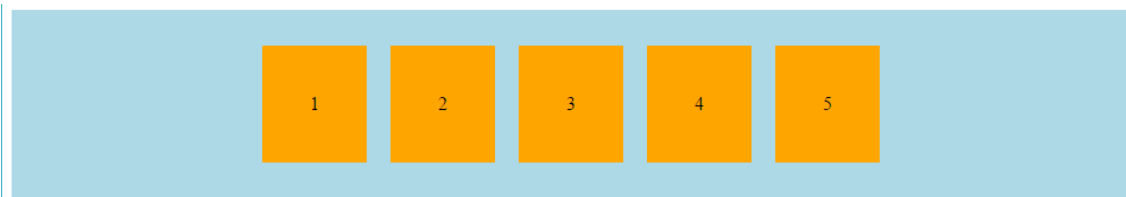
- justify-content: flex-start;



- justify-content: flex-end;



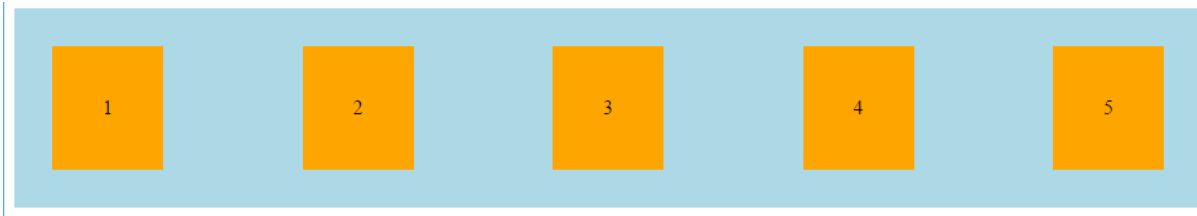
- justify-content: center;



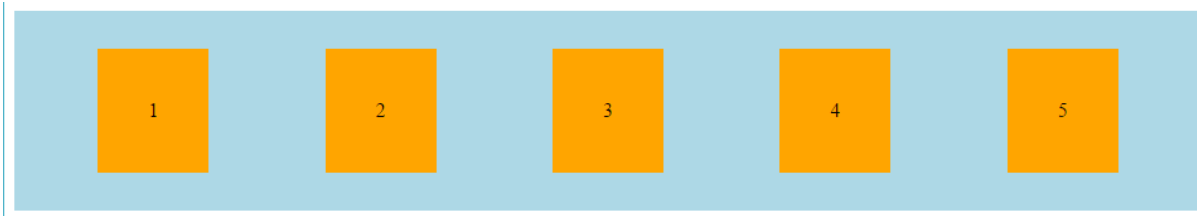
#container

justify-content

- justify-content: space-between;

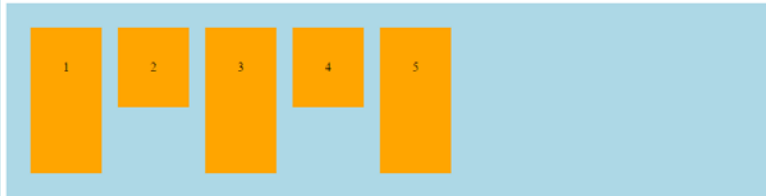


- justify-content: space-around;

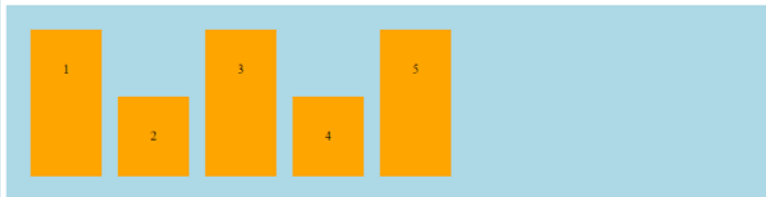


#container items

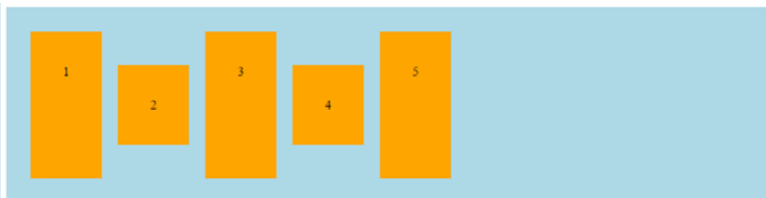
- align-items: flex-start; (standard)



- align-items: flex-end;



- align-items: center;

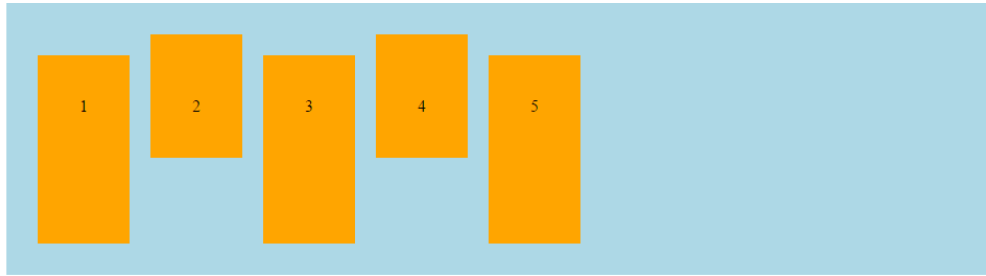


align-

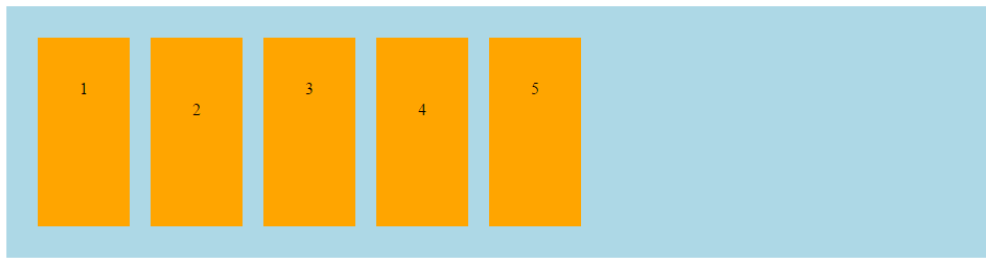
```
#container{  
  background-color: lightblue;  
  padding: 20px;  
  /* Egenskaper för flexbox */  
  display: flex;  
  align-items: flex-start;  
}  
  
.item{  
  text-align: center;  
  background-color: orange;  
  margin: 10px;  
  padding: 40px;  
}  
  
.item:nth-child(odd){  
  height: 100px;  
}
```

#container items

- align-items: baseline;



- align-items: stretch;



align-

```
#container{
  background-color: lightblue;
  padding: 20px;
  /* Egenskaper för flexbox */
  display: flex;
  align-items: baseline ;
}

.item{
  text-align: center;
  background-color: orange;
  margin: 10px;
  padding: 40px;
}

.item:nth-child(odd){
  height: 100px;
}

.item:nth-child(even){
  padding-top: 60px;
}
```

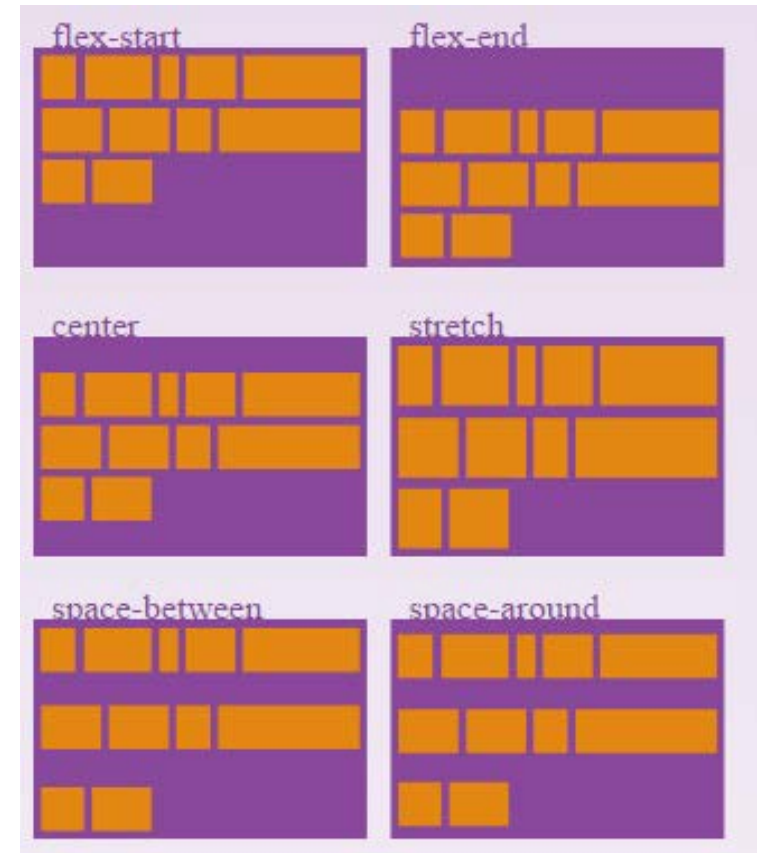
#container

- Används bara vid flera rader

```
.container { align-content: flex-start | flex-end | center |  
space-between | space-around | stretch; }
```

<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

align-content



HUR MAN POSITIONERAR .ITEM

<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

DEMO!

NYTT OCKSÅ: CSS-GRIDS

<https://css-tricks.com/snippets/css/complete-guide-grid/>

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1.1.1	Adapting Layouts to Available Space
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ess Grid Layout Module Level 1

W3C Candidate Recommendation, 09 May 2017



This version:

<https://www.w3.org/TR/2017/CR-css-grid-1-20170509/>

Latest published version:

<https://www.w3.org/TR/css-grid-1/>

Editor's Draft:

<https://drafts.csswg.org/css-grid/>

Previous Versions:

<https://www.w3.org/TR/2017/CR-css-grid-1-20170209/>
<https://www.w3.org/TR/2016/WD-css-grid-1-20160519/>
<https://www.w3.org/TR/2015/WD-css-grid-1-20150917/>
<https://www.w3.org/TR/2015/WD-css-grid-1-20150806/>
<https://www.w3.org/TR/2015/WD-css-grid-1-20150317/>
<https://www.w3.org/TR/2014/WD-css-grid-1-20140513/>
<https://www.w3.org/TR/2014/WD-css-grid-1-20140123/>
<https://www.w3.org/TR/2013/WD-css3-grid-layout-20130402/>
<https://www.w3.org/TR/2012/WD-css3-grid-1a-out-20121106/>

Test Suite:

http://test.csswg.org/suites/css-grid-1_dev/nightly-unstable/

Issue Tracking:

[Disposition of Comments](#)
[Inline In Spec](#)
[GitHub Issues](#)

CSS Grid Layout (level 1) - CR

Method of using a grid concept to lay out content, providing a mechanism for authors to divide available space for layout into columns and rows using a set of predictable sizing behaviors. Includes support for all `grid-*` properties and the `fr` unit.

Current aligned

Usage relative

Date relative

Filtered

All



IE	Edge	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini	Android Browser	Opera Mobile	Chrome for Android	Firefox for Android	UC Browser for Android	Samsung Internet	QQ Browser	Baidu Browser	KaiOS Browser
		2-39	4-28													
		3 40-51	1 29-56		10-27											
6-9	2 12-15	4 52-53	4 57	3.1-10	1 28-43	3.2-10.2							4-5.4			
2 10	16-84	54-79	58-84	10.1-13	44-69	10.3-13.3		2.1-4.4.4	12-12.1				6.2-11.2			
2 11	85	80	85	13.1	70	13.7	all	81	46	85	79	12.12	12.0	10.4	7.12	2.5
		81-82	86-88	14-TP		14.0										

Usage

% of all users

Global

93.84% + 1.28% = 95.12%

unprefixed:

93.84%



**YOU ARE
THE CSS
TO MY
HTML**