

SONAT



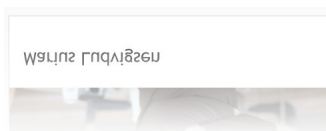
CSS

Grunnkurs i CSS

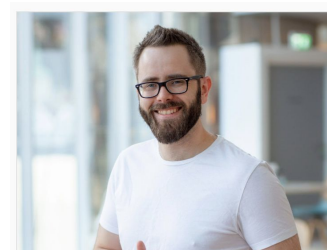
Sonat fagdag – 25.02.2022



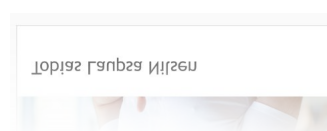
Marius Ludvigsen



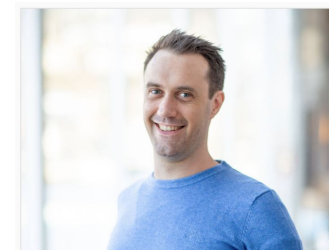
Marius Ludvigsen



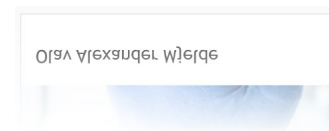
Tobias Laupsa Nilsen



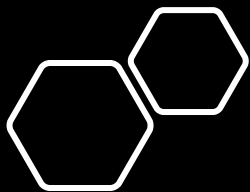
Tobias Laupsa Nilsen



Olav Alexander Mjelde

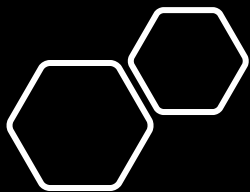


Olav Alexander Mjelde



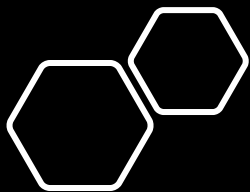
Plan

- Kort presentasjon (denne)
- Oppgaver
- Kaffe og sladder
- Oppsummering og Kahoot



Læringsmål

- Etter kurset, er målet at deltakerne skal ...
 - Vite hva CSS er
 - Kunne bruke CSS til å endre utseendet på nettsider
 - Ha en anelse om hvorfor CSS av og til er veldig vanskelig
 - Vite hvor man kan gå for å fikse problemene sine



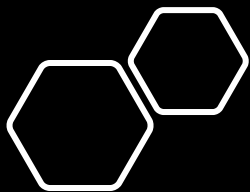
Cascading Style Sheets

CASCADE

intransitive verb

: to fall, pour, or rush in or as if in a cascade

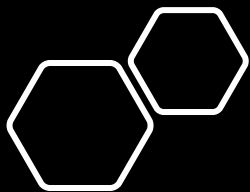
The water cascaded over the rocks.



Hva er CSS?



```
.notification {  
  background-color: var(--cream);  
  padding: 20px;  
  padding-bottom: 24px;  
  border-radius: 24px;  
  margin-bottom: 20px;  
}  
  
.notification p {  
  color: var(--color_black);  
  padding-left: 10px;  
  padding-right: 10px;  
  margin: 0;  
  margin-left: 40px;  
  max-width: 448px;  
  font-size: 1rem;  
}  
  
.close {  
  display: flex;  
  justify-content: flex-end;  
}  
  
.close button {  
  color: var(--color_);  
}  
  
@media (max-width: 768px) {  
  p {  
    padding-top: 10px;  
    margin-left: 0;  
  }  
}
```

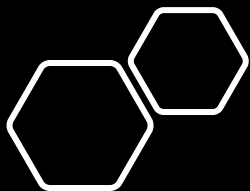


Preprosessering Biblioteker Strukturering

LESS, SASS, stylus osv.

Styled components, css-modules

BEM, SMACSS



Selectorer

```
<ul>
  <li style="color: green;">Wheat Beer</li>
  <li id="summer-drinks">Mint Julip</li>
  <li class="favorite">Whiskey and Ginger Ale</li>
  <li>Mint Julip</li>
</ul>
```

```
#summer-drink {
  color: brown;
}

.favorite,
li.favorite {
  color: red;
  font-weight: bold;
}

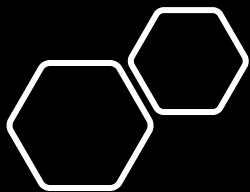
.favorite ~ li,
.favorite + li {
  color: aquamarine;
}

ul li,
ul>li {
  color: black;
}

li:hover,
li:nth-child(2),
li:not(.favorite):not(:nth-child(3)),
li:not(.favorite, :nth-child(3)) {
  background: blue;
}

li[class],
li[id="summer-drink"] {
  color: aliceblue;
  text-decoration: underline;
}

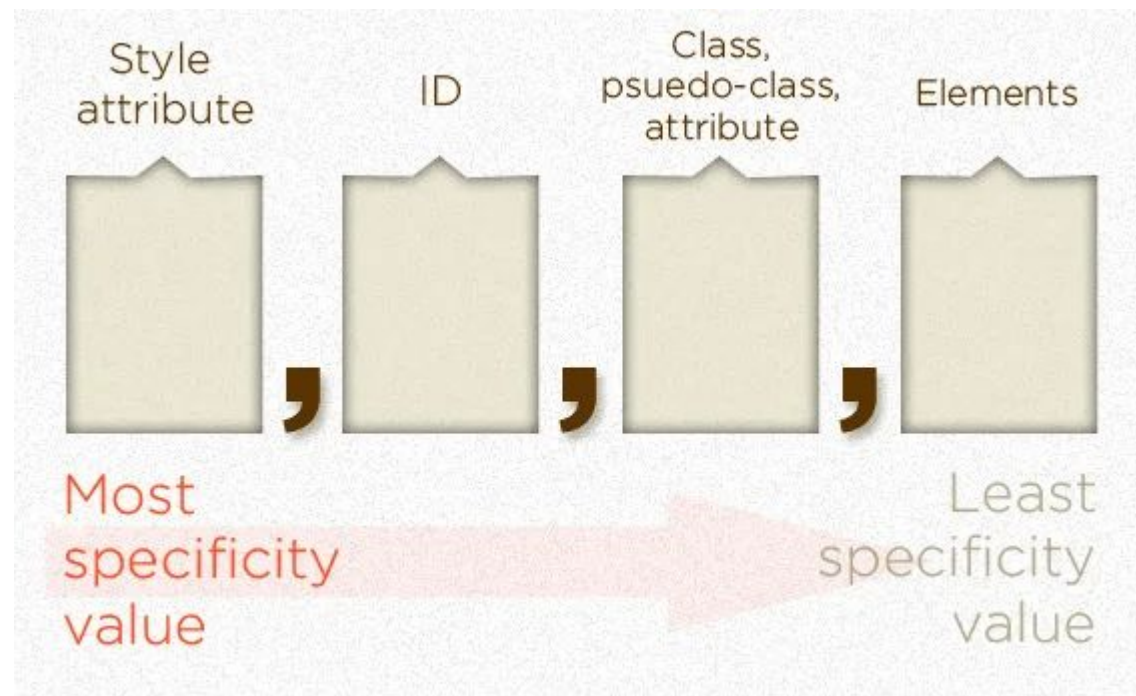
:is(#summer-drink, .favorite),
:where(#summer-drink, .favorite) {
  border: solid black 1px;
}
```

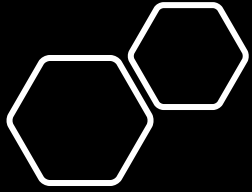


Selectorer

1. Style attributten (plz donut use)
2. Id
3. Klasser, pseudo-klasser og attributtverdier
4. Element og pseudo-elementer

<https://css-tricks.com/specifics-on-css-specificity/>





Eksempel

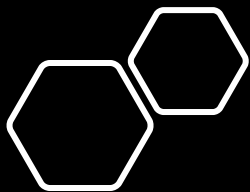
```
<ul>
  <li style="color: ■ green;">Wheat Beer</li>
  <li id="summer-drinks">Mint Julip</li>
  <li class="favorite">Whiskey and Ginger Ale</li>
  <li>Mint Julip</li>
</ul>
```

```
#summer-drink {
  color: ■ yellow;
}

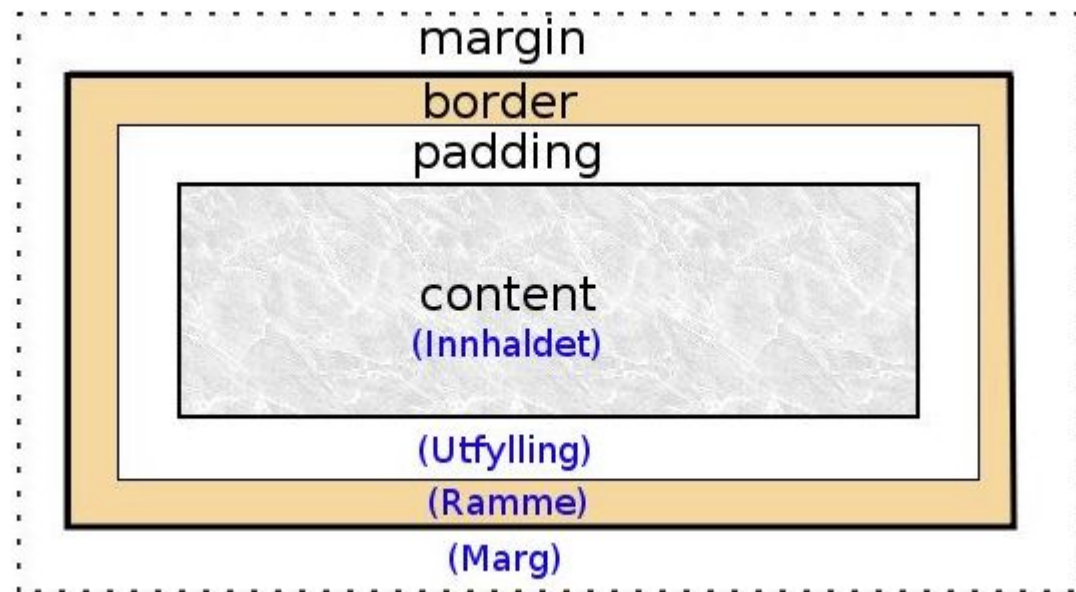
.favorite {
  color: ■ red;
  font-weight: bold;
}

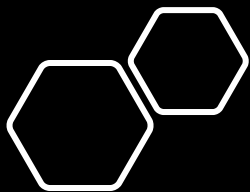
ul>li {
  color: □ black;
}

.favorite {
  color: ■ purple;
  font-weight: lighter;
}
```



Boksmodell





Layout

Basic document flow

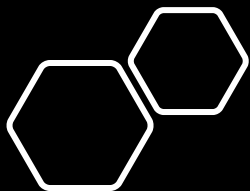
I am a basic block level element. My adjacent block level elements sit on new lines below me.

By default we span 100% of the width of our parent element, and we are as tall as our child content. Our total width and height is our content + padding + border width/height.

We are separated by our margins. Because of margin collapsing, we are separated by the width of one of our margins, not both.

inline elements `like this one` and `this one` sit on the same line along with adjacent text nodes, if there is space on the same line. Overflowing inline elements will `wrap onto a new line if possible (like this one containing text)`, or just go on to a new line if not, much like this image will do:





Flexbox

Sample flexbox example

First article

Tacos actually microdosing, pour-over semiotics banjo chicharrones retro fanny pack portland everyday carry vinyl typewriter. Tacos PBR&B pork belly, everyday carry ennui pickled sriracha normcore hashtag polaroid single-origin coffee cold-pressed. PBR&B tattooed trust fund twee, leggings salvia iPhone photo booth health goth gastropub hammock.

Second article

Tacos actually microdosing, pour-over semiotics banjo chicharrones retro fanny pack portland everyday carry vinyl typewriter. Tacos PBR&B pork belly, everyday carry ennui pickled sriracha normcore hashtag polaroid single-origin coffee cold-pressed. PBR&B tattooed trust fund twee, leggings salvia iPhone photo booth health goth gastropub hammock.

Third article

Tacos actually microdosing, pour-over semiotics banjo chicharrones retro fanny pack portland everyday carry vinyl typewriter. Tacos PBR&B pork belly, everyday carry ennui pickled sriracha normcore hashtag polaroid single-origin coffee cold-pressed. PBR&B tattooed trust fund twee, leggings salvia iPhone photo booth health goth gastropub hammock.

Cray food truck brunch, XOXO +1 keffiyeh pickled chambray waistcoat ennui. Organic small batch paleo 8-bit. Intelligentsia umami wayfarers pickled, asymmetrical kombucha letterpress kitsch leggings cold-pressed squid chartreuse put a bird on it. Listicle pickled man bun cornhole heirloom art party.

Sample flexbox example

First article

Tacos actually microdosing, pour-over semiotics banjo chicharrones retro fanny pack portland everyday carry vinyl typewriter. Tacos PBR&B pork belly, everyday carry ennui pickled sriracha normcore hashtag polaroid single-origin coffee cold-pressed. PBR&B tattooed trust fund twee, leggings salvia iPhone photo booth health goth gastropub hammock.

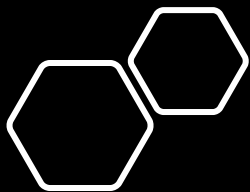
Second article

Tacos actually microdosing, pour-over semiotics banjo chicharrones retro fanny pack portland everyday carry vinyl typewriter. Tacos PBR&B pork belly, everyday carry ennui pickled sriracha normcore hashtag polaroid single-origin coffee cold-pressed. PBR&B tattooed trust fund twee, leggings salvia iPhone photo booth health goth gastropub hammock.

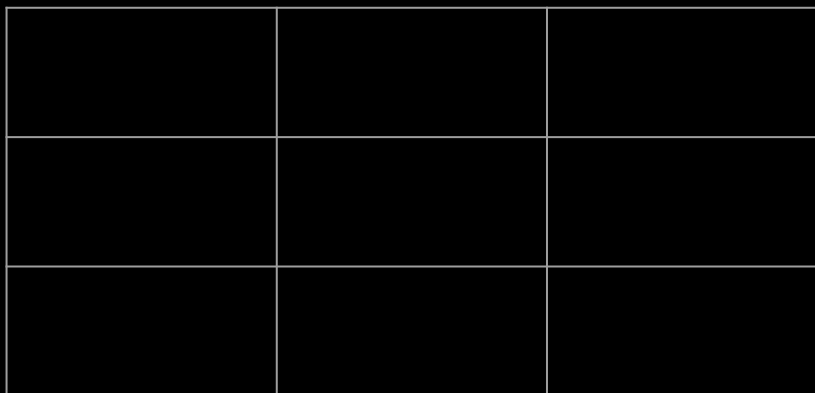
Third article

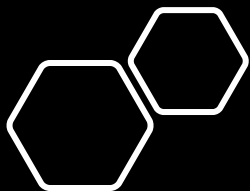
Tacos actually microdosing, pour-over semiotics banjo chicharrones retro fanny pack portland everyday carry vinyl typewriter. Tacos PBR&B pork belly, everyday carry ennui pickled sriracha normcore hashtag polaroid single-origin coffee cold-pressed. PBR&B tattooed trust fund twee, leggings salvia iPhone photo booth health goth gastropub hammock.

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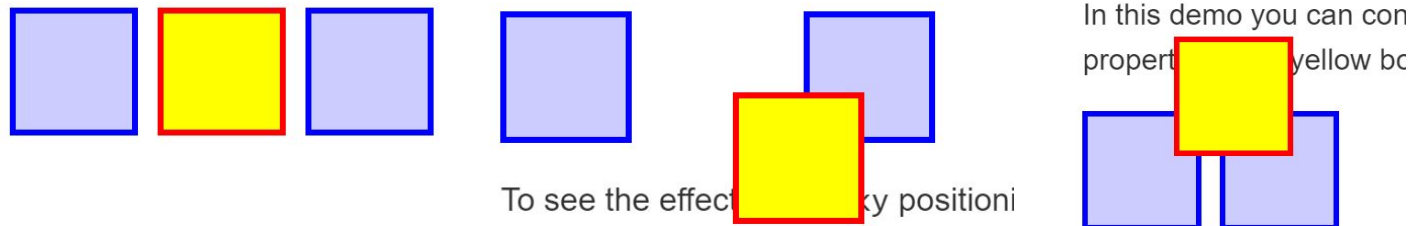


Grid





Posisjonering og float



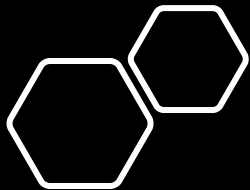
2 column layout example

First column

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla luctus aliquam dolor, eu lacinia lorem placerat vulputate. Duis felis orci, pulvinar id metus ut, rutrum luctus orci. Cras porttitor imperdiet nunc, at ultricies tellus laoreet sit amet. Sed auctor cursus massa at porta. Integer ligula ipsum, tristique sit amet orci vel, viverra egestas ligula. Curabitur vehicula tellus neque, ac ornare ex malesuada et. In vitae convallis lacus. Aliquam erat volutpat. Suspendisse ac imperdiet turpis. Aenean finibus sollicitudin eros pharetra congue. Duis ornare egestas augue ut luctus. Proin blandit quam nec lacus varius commodo et a urna. Ut id ornare felis, eget fermentum sapien.

Second column

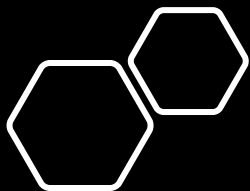
Nam vulputate diam nec tempor bibendum. Donec luctus augue eget malesuada ultrices. Phasellus turpis est, posuere sit amet dapibus ut, facilisis sed est. Nam id risus quis ante semper consectetur eget aliquam lorem. Vivamus tristique elit dolor, sed pretium metus suscipit vel. Mauris ultricies lectus sed lobortis finibus. Vivamus eu urna eget velit cursus viverra quis vestibulum sem. Aliquam tincidunt eget purus in interdum. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.



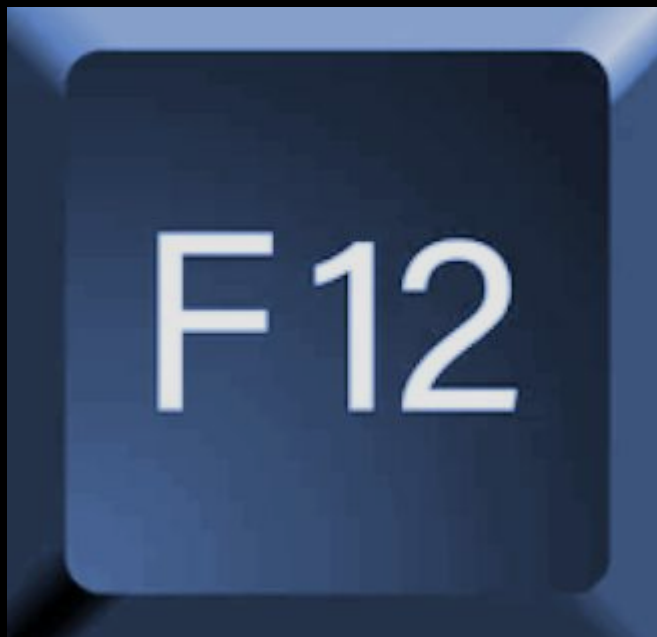
Hjelp

MDN: mozilla developer network
<https://developer.mozilla.org/>

caniuse
csstricks



Utviklermodus

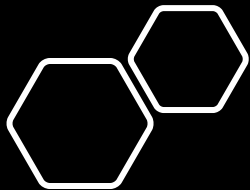


Utviklermodus 101 *Grunnleggende bruk*

- “Inspiser element”
- Manipulere Document Object Model (DOM)
- Se hvilke selectorer som treffer elementet
- Forhåndsvis boksmodellen (Box Model)
- Se om noe er gale (manglende ressurser, feilmeldinger i konsollet)
- Skriv JavaScript i konsollet hvis behovet er der

Videoinnføring, innføring i bruk av utviklermodus i nettleser:

<https://youtu.be/yw5aWHZf4kY>



Oppgaver

Git

<https://github.com/Sonat-Consulting/fagdag-css-intro101>



- [Kahoot](https://kahoot.com)



