

IT 1

Innhold tilpasset ulike skjermstørrelser (mobilsider)

Kap. 4.5 og 4.6

Nettsider tilpasset ulike skjermstørrelser

ENGLISH ESPAÑOL 中文

Sunday, January 6, 2019

World U.S. Politics N.Y. Business Opinion Tech Science Health Sports Arts Books Style Food Travel Magazine T Magazine Real Estate Video

In the 'At War' Newsletter The end of the Navy's bread-and-water punishment.

The Neediest Cases Fund A 4-year-old can't sit up. So his father is there.

The Daily Mini Crossword Solve this bite-sized puzzle in just a few minutes.

S&P 500 +3.43% ↑ Dow +3.29% ↑ Nasdaq +4.26% ↑ -4°C 2°-3° Oslo, Norway

THE WHITE HOUSE

Trump Says 'Not Much Headway' in Talks as Shutdown Enters Third Week

- Negotiations between Vice President Mike Pence and congressional aides from both parties yielded little progress on Saturday.
- Another meeting was scheduled for Sunday, though there was little hope of any breakthrough.

Jan. 6

After a Rocky 2018, Populism Is Down but Not Out in the Western World

Populist leaders and parties are trying to rejuvenate their fortunes by revitalizing the sense of crisis on which they thrive.

Jan. 5

DIVORCE

A Quiet Revolution: More Women Seek Divorces in Conservative West Africa

- For centuries, wives in the region have been expected to endure bad marriages.
- But as societal views on relationships change, many are asserting more control over their families and their lives.

8h ago

"My reporting took me in an unexpected



The Border Wall Is Now Boxing Trump In

The impasse is particularly remarkable given that even some immigration hard-liners do not regard a wall as their highest priority, according to a news analysis.

Jan. 5

Opinion >

Alissa Quart
Middle-Class Shame Will Decide Where America Is Headed

Who can appeal to the people who feel the most like they've gotten a raw deal?

Jan. 5

Héctor Tobar
Hollywood's Obsession With Cartels

It would be nice to see Latinos living regular lives — not stereotype-fueled fantasies — onscreen.

Jan. 5

Can a Corpse Give Birth?

Maureen Dowd
Boogie Down, Bronx Girl

Nicholas Kristof
Why 2018 Was the Best Year in Human History!

Marina Benjamin
The Genius of Insomnia

Jonathan Weisman
American Jews and Israeli Jews Are Headed for a Messy Breakup

David Leonhardt
The People vs. Donald J. Trump

Paul Krugman

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The New York Times

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President Trump at the White House on Sunday.
Sarah Silbiger/The New York Times

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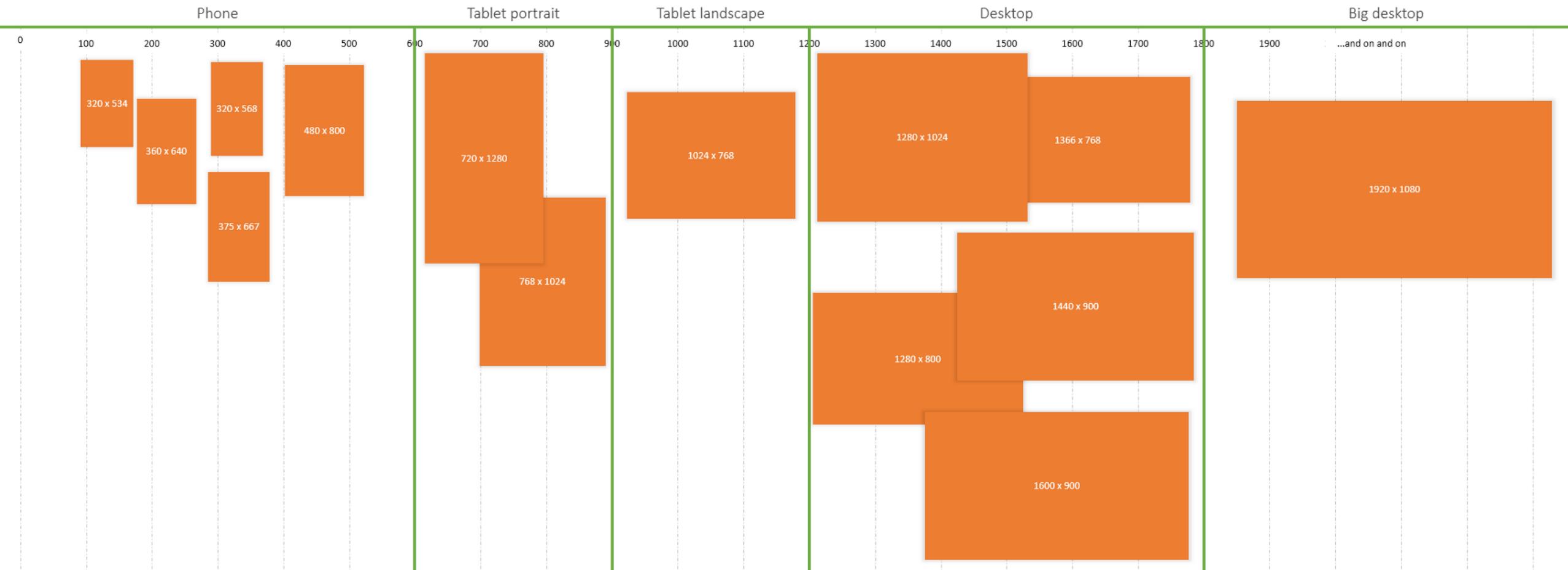
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Responsive og adaptive nettsider

- **Responsive** nettsider reagerer på alle endringer av nettleservinduet
- **Adaptive** nettsider reagerer kun ved gitte *breakpoints*
 - Eks:
 - 600px (mobil)
 - 900px (tablet/laptop)
 - 1200px (stor laptop/stasjonær)



Responsive nettsider med CSS

- Bruke % til å sette bredde → Problem ved små skjermer

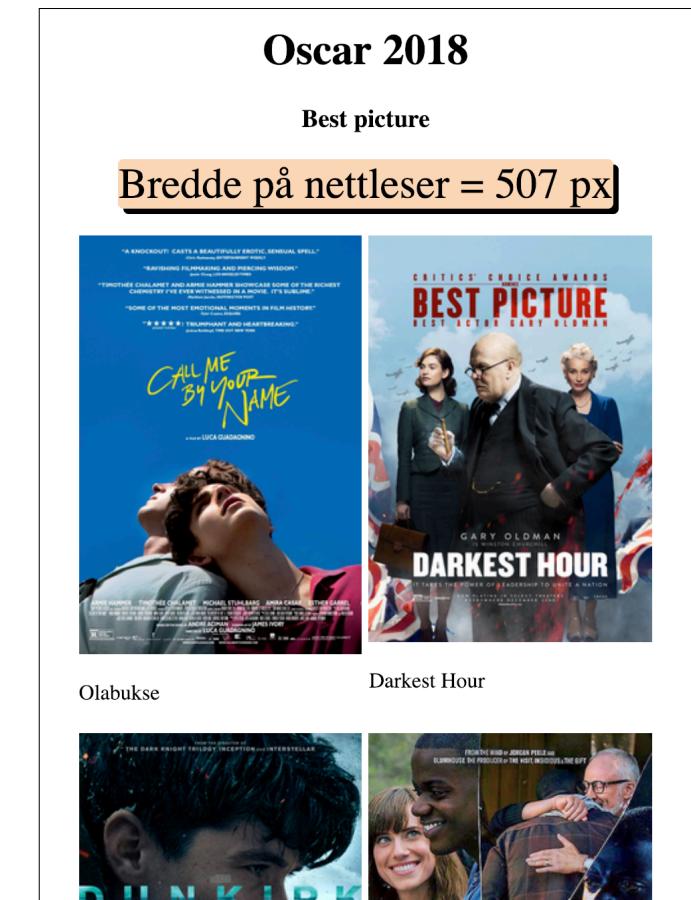
```
main{  
    width: 90%;  
    margin: auto;  
}
```



Adaptive nettsider med CSS

- Bruke media-query (media spørring) → Fungerer bra på små skjermer

```
.grid{  
  display: grid;  
  grid-gap: 5px;  
  grid-template-columns: 1fr 1fr 1fr 1fr;  
}  
  
@media(max-width:900px){  
  .grid{  
    grid-template-columns: 1fr 1fr 1fr;  
  }  
}  
  
@media(max-width:700px){  
  .grid{  
    grid-template-columns: 1fr 1fr;  
  }  
}
```



@media-betingelser

Betingelse	Forklaring
(max-width: verdi)	Inntrerffer når bredden på skjermen er mindre enn angitt verdi.
(min-width: verdi)	Inntrerffer når bredden er større enn angitt verdi.
(max-height: verdi)	Inntrerffer når høyden på skjermen er mindre enn angitt verdi.
(max-height: verdi)	Inntrerffer når høyden er større enn angitt verdi.

Oppgaver

1. Lag en nettside som skifter farge med bredden på vinduet. Bruk følgende breakpoints:
 - a) Gul når den er under 1400px
 - b) Grønn når den er under 1000px
 - c) Rød når den er under 800px
 - d) Blå når den er under 600px
2. Skriv kode for en nettside som bytter bakgrunnsbilde i body-elementet når bredden på vinduet i nettleseren endres. Bakgrunnsbilder velger du selv.
3. Lag en nettside som presenterer de nominerte til Oscar's Best Picture 2018 i en grid. Bildene ligger i mappen «bilder-oscar»
 - a) PC-versjonen skal ha fire filmer i bredden.
 - b) Tabletversjonen skal ha tre filmer i bredden.
 - c) Mobilversjonen skal ha en film i bredden.

```
body{  
    background-url("bilde.jpg");  
}
```

Oppgaver

5. Navbar

- a) Les de neste lysarkene på presentasjonen og/eller kap. 4.5 i boken.
- b) Lag en navigasjonsbar med 4 lenker. Sett den til display: flex;
- c) Sørg for at menypunktene legger seg under hverandre når det blir for trangt i bredden.

Responsiv navigasjonsbar med flexbox

```
<section>
  <article>...</article>
  <article>...</article>
  <article>...</article>
  <article>...</article>
</section>
```

```
section{
  display: flex;
}
```

- Section-elementet blir en flexbox
- Article-elementene blir flex items

Horisontalt eller vertikalt med flex-direction

Flex-direction	Forklaring
flex-direction: row;	Elementene ligger ved siden av hverandre i den rekkefølgen de har i HTML-koden. Dette er standard for flexbox.
flex-direction: column;	Elementene ligger under hverandre i den rekkefølgen de har i HTML-koden.
flex-direction: row-reverse;	Elementene ligger ved siden av hverandre i den motsatt rekkefølg
flex-direction: column-reverse;	Elementene ligger under hverandre i motsatt rekkefølge.

Fordele elementene med justify-content

Justify-content	Forklaring
justify-content: flex-start;	Til venstre når flex-direction:row; Fra toppen når flex-direction:column;
justify-content: flex-end;	Til høyre når flex-direction:row; Fra bunnen når flex-direction:column;
justify-content: space-between;	Luft mellom flex items, men ikke luft før det første og etter det siste.
justify-content: space-around;	Luft mellom flex items og luft før det første og etter det siste.
justify-content: center;	Sentrerer flex items

Midtstille elementene med align-items

align-items	Forklaring
align-items: center;	Midtstiller elementer
align-items: flex-start;	Til venstre når flex-direction:row; Fra toppen når flex-direction:column;
align-items: flex-end;	Til høyre når flex-direction:row; Fra bunnen når flex-direction:column;

Størrelse på et flex item

```
article{  
    flex-basis: 300px;  
}
```

- flex item-elementet blir 300px i bredden hvis flex-direction: row;
- Og 300px i høyden hvis flex-direction:column;