Interaktive Grundlagen 1/B
Experiment und Verhalten
Max Köhler

Woche 4

1	13. Oktober	Einführung + HTML
2	20. Oktober	CSS Selektoren
3	27. Oktober	CSS Layout
4	3. November	Geräte und Formate
5	10. November	Typografie
6	17. November	Raster-Bilder
7	24. November	Vektor-Bilder
8	1. Dezember	Animation
9	8. Dezember	Interaktion
10	15. Dezember	Dokumentation + Briefing
11	22. Dezember	Besprechung
12	5. Januar	Semesterprojekt
13	12. Januar	Semesterprojekt
14	19. Januar	Semesterprojekt
15	26. Januar	Präsentation

Recap

Ahmad ibn Muhammad Astak
(1150): *Tombstone of Abu Sa'd
ibn Muhammad ibn Ahmad al-
Hasan Karwaih*
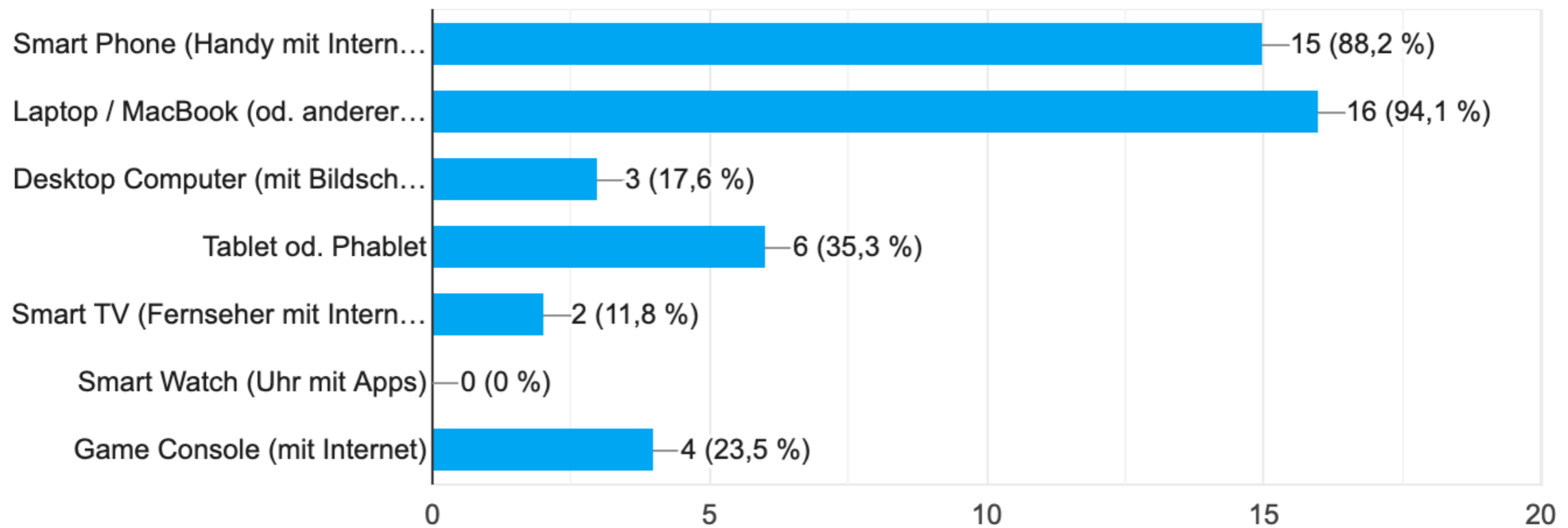
Marble, 555×371×73mm

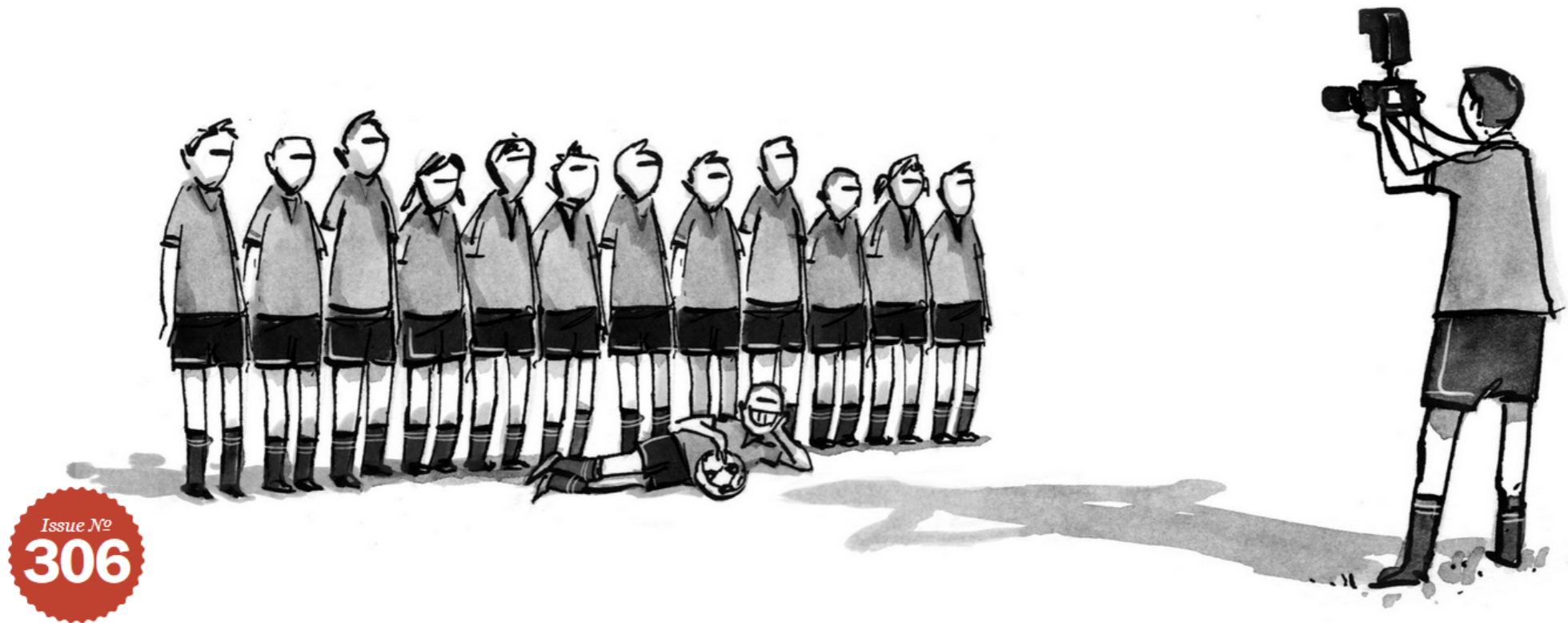The Metropolitan Museum of
Art, Accession No. 33.118

Welche Geräte nutzt Du?

17 Antworten

Gerät	Anzahl
Smart Phone (Handy mit Intern…	15 (88,2 %)
Laptop / MacBook (od. anderer…	16 (94,1 %)
Desktop Computer (mit Bildsch…	3 (17,6 %)
Tablet od. Phablet	6 (35,3 %)
Smart TV (Fernseher mit Intern…	2 (11,8 %)
Smart Watch (Uhr mit Apps)	0 (0 %)
Game Console (mit Internet)	4 (23,5 %)

Responsive Web Design

by **Ethan Marcotte** · May 25, 2010

Published in CSS, Interaction Design, Layout & Grids, Mobile/Multidevice, Responsive Design

> "The control which designers know in the print medium, and often desire in the web medium, is simply a function of the limitation of the printed page. We should embrace the fact that the web doesn't have the same constraints, and design for this flexibility. But first, we must 'accept the ebb and flow of things.'"
>
> —John Allsopp, "*A Dao of Web Design*"

The English architect Christopher Wren once quipped that his chosen field "aims for Eternity,"

Ethan Marcotte (2010): Responsive Web Design
alistapart.com/article/responsive-web-design

Rather than tailoring disconnected designs to each of an ever-increasing number of web devices, we can treat them as facets of the same experience. We can design for an optimal viewing experience, but embed standards-based technologies into our designs to make them not only more flexible, but more adaptive to the media that renders them. In short, we need to practice responsive web design.

Ethan Marcotte (2010): Responsive Web Design
alistapart.com/article/responsive-web-design

The New York Times

Wednesday, November 3, 2021
Today's Paper

World   U.S.   Politics   N.Y.   Business   Opinion   Tech   Science   Health   Sports   Arts   Books   Style

Youngkin Wins Virginia Governor's Race, Dea[ling Blow to Dem]

New Jersey Contest Remains Too Close to Call

- Glenn Youngkin's win gave Virginia's governorship to Republicans for the first time in more than a decade and dimmed Democrats' outlook for the 2022 midterms.
- No less bracing for Democrats was a second election unfolding in New Jersey, where Gov. Phil Murphy was locked in a tight race with his Republican challenger.

LIVE Results: N.J. Governor ›

Candidate	Party	Pct.
Ciattarelli	Rep.	49.66%
Murphy*	Dem.	49.59

Source: A.P.   87% est. votes reported   *Incumbent

| Va. Gov. | N.J. Gov. | N.Y.C. Mayor |

Virginia   New Jersey   New York   Minneapolis   All results: S

Eric Adams Is Elected Mayor of Ne[w York City]

He Will Be the Second Black Mayor in City History

- Mr. Adams is a former police captain whose attention-grabbing persona and keen focus on racial justice fueled a decades-long career in public life.
- He faces a staggering set of challenges as the city grapples with the enduring consequences of the pandemic.

James Estrin

The New York Times

Wednesday, November 3, 2021
Today's Paper

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

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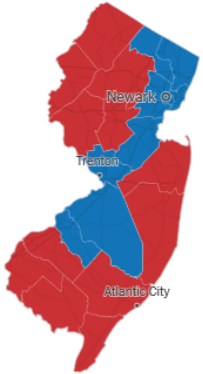- Glenn Youngkin's win gave Virginia's governorship to Republicans for the first time in more than a decade and dimmed Democrats' outlook for the 2022 midterms.
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| Va. Gov. | N.J. Gov. | N.Y.C. Mayor |

Virginia   New Jersey   New York   Minneapolis   All results: Select...

Glenn Youngkin's Journey to the Top Tier of G.O.P. Politics

After a remarkable upset, Mr. Youngkin is the newest star of the G.O.P. His campaign will be reverse-engineered for its lessons by both parties.

LIVE
Here are the latest update[s] elections nationwide.

Melissa Lyttle for The New York Times

Eric Adams Is Elected Mayor of New York City

He Will Be the Second Black Mayor in City History

- Mr. Adams is a former police captain whose attention-grabbing persona and keen focus on racial justice fueled a decades-long career in public life.
- He faces a staggering set of challenges as the city grapples with the enduring consequences of the pandemic.

Alvin Bragg was elected Manhattan's first Black district attorney. He'll inherit the inquiry into the Trump family business.

The New York Times

Wednesday, November 3, 2021   PLAY THE CROSSWORD

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| Va. Gov. | N.J. Gov. | N.Y.C. Mayor |

Newark
Trenton
Atlantic City

| Virginia › | New Jersey › |
| New York › | Minneapolis › |

All results: Select...

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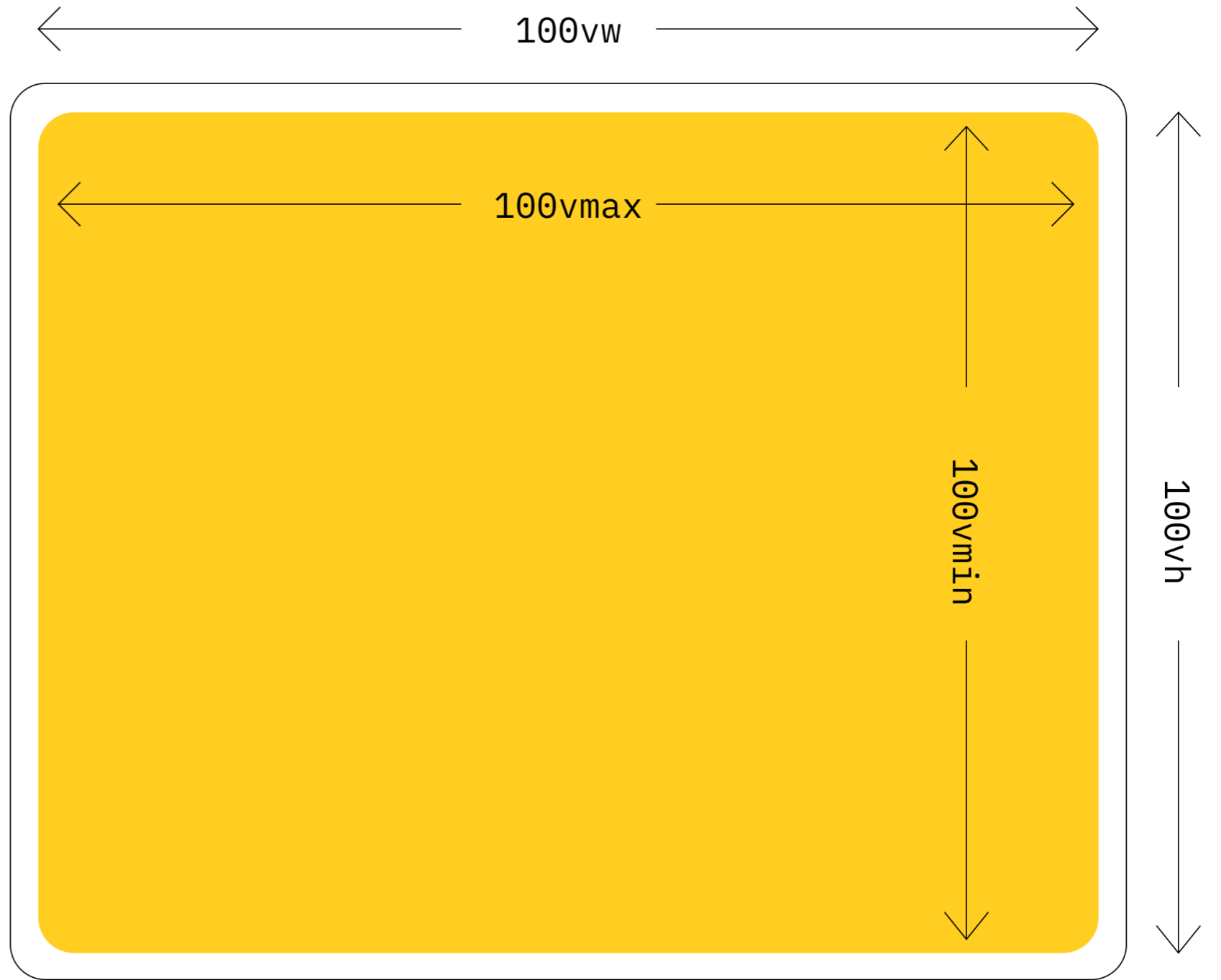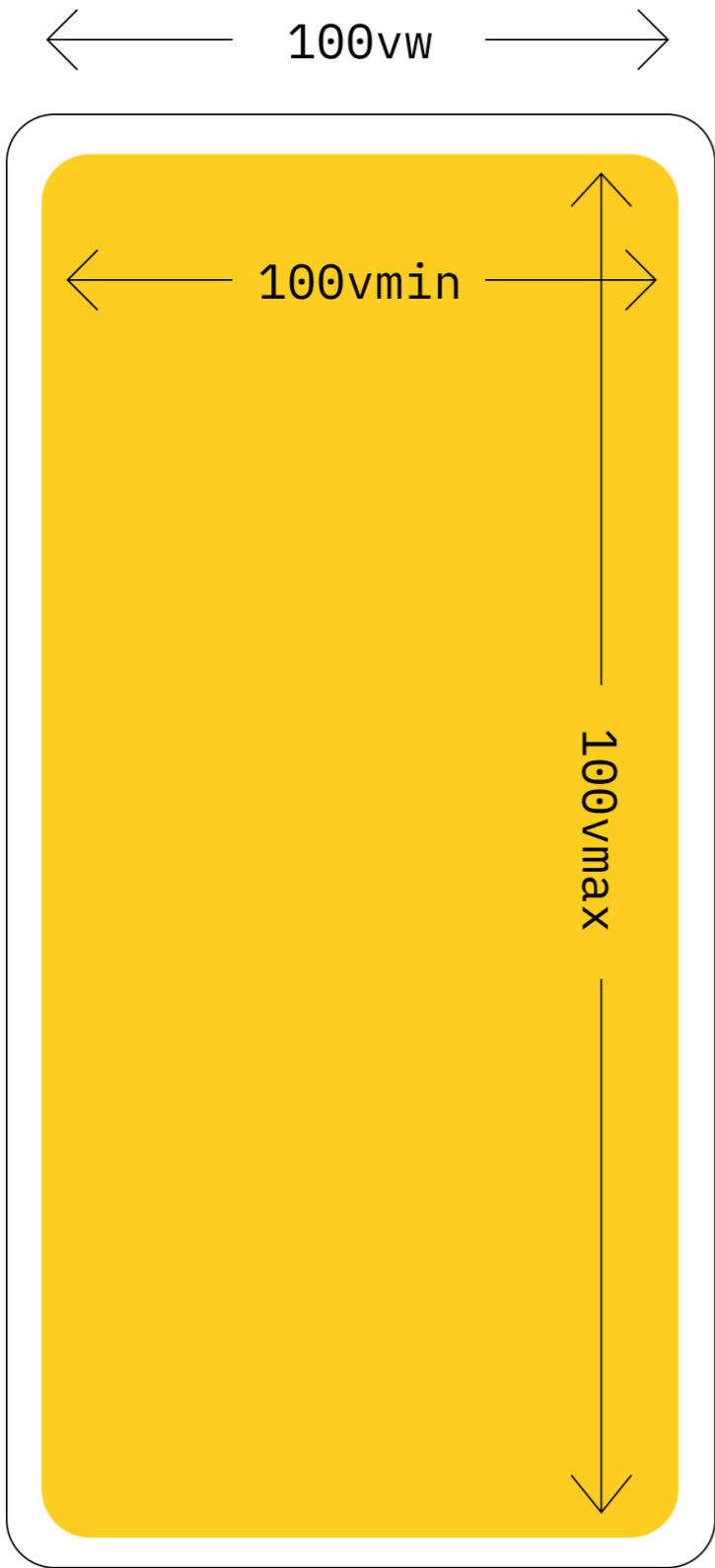
Flexible Units + Media Queries

```
<body>
  <header class="hero">Hello World</header>
</body>
```

```
.hero {
  width: 50%;
  height: 10%;
  padding: 10%;
  margin: 10%;
}
```

```
.hero {
  width: 50vw;
  height: 10vh;
  padding: 10vmin;
  margin: 10vmax;
}
```

```
.container {
  display: grid;
  grid-template-columns: repeat(12, 1fr);
  grid-template-rows: repeat(6, 1fr)
}
```

```
.hero {
  width: 50vw;
  height: 10vh;
  max-width: 800px;
  max-height: 300px;
}
```

Das `@media` Directive markiert den Beginn des Media Querys

Zwischen den Klammern steht die Condition (Bedingung), die erfüllt sein muss damit das Media Query aktiv wird.

```
@media (min-width: 500px) {
  .post-title {
    color: red;
  }
}
```

Die schließende Klammer markiert das Ende des Media Querys.

Innerhalb des Media Querys stehen ein oder mehrere Styles mit normalen> Selektoren, Eigenschaften und Werten.

```css
.post-title {
  color: green;
}

@media (min-width: 500px) {
  .post-title {
    color: red;
  }
}

@media (min-width: 800px) {
  .post-title {
    font-weight: bold;
  }
}
```
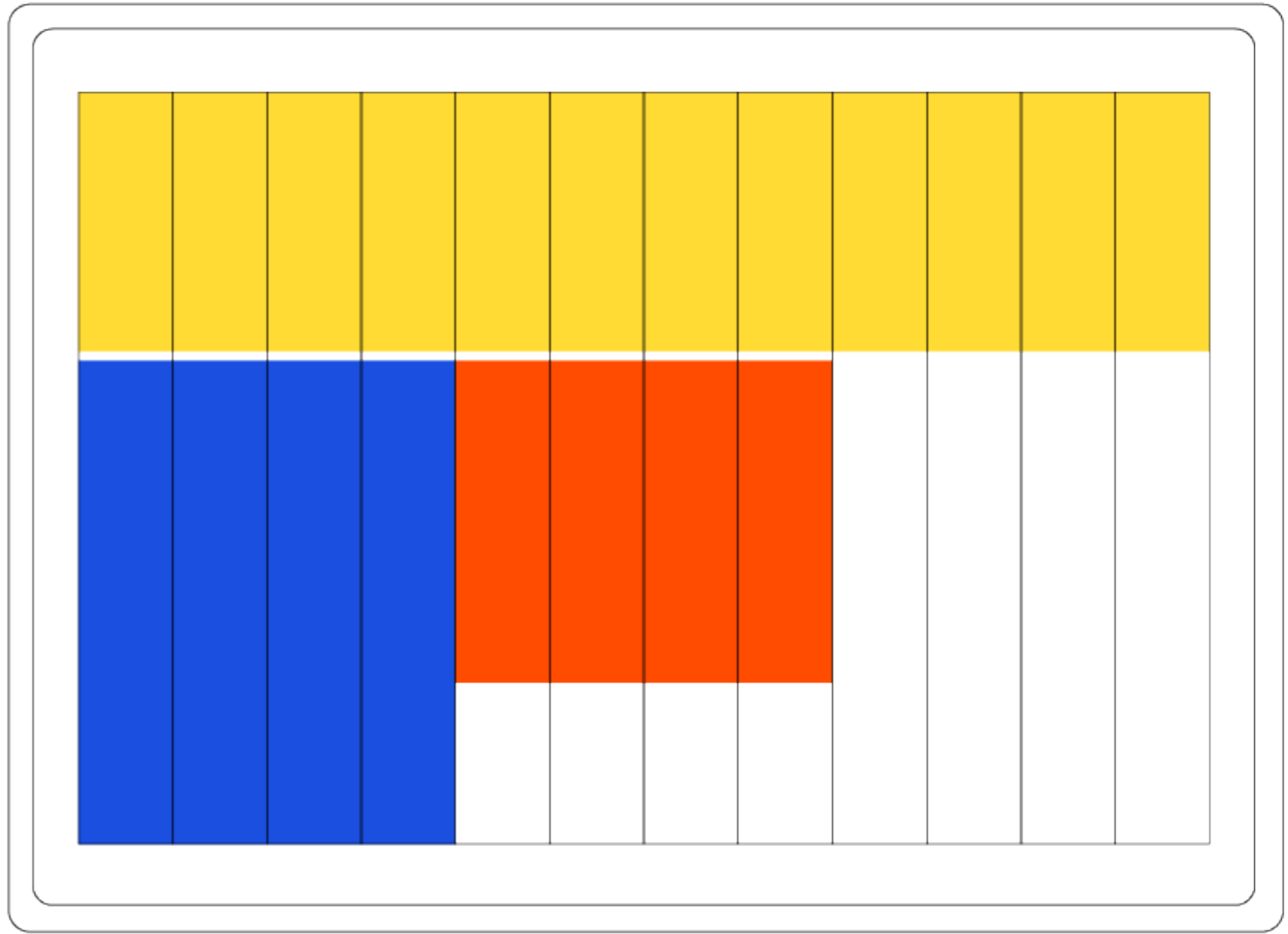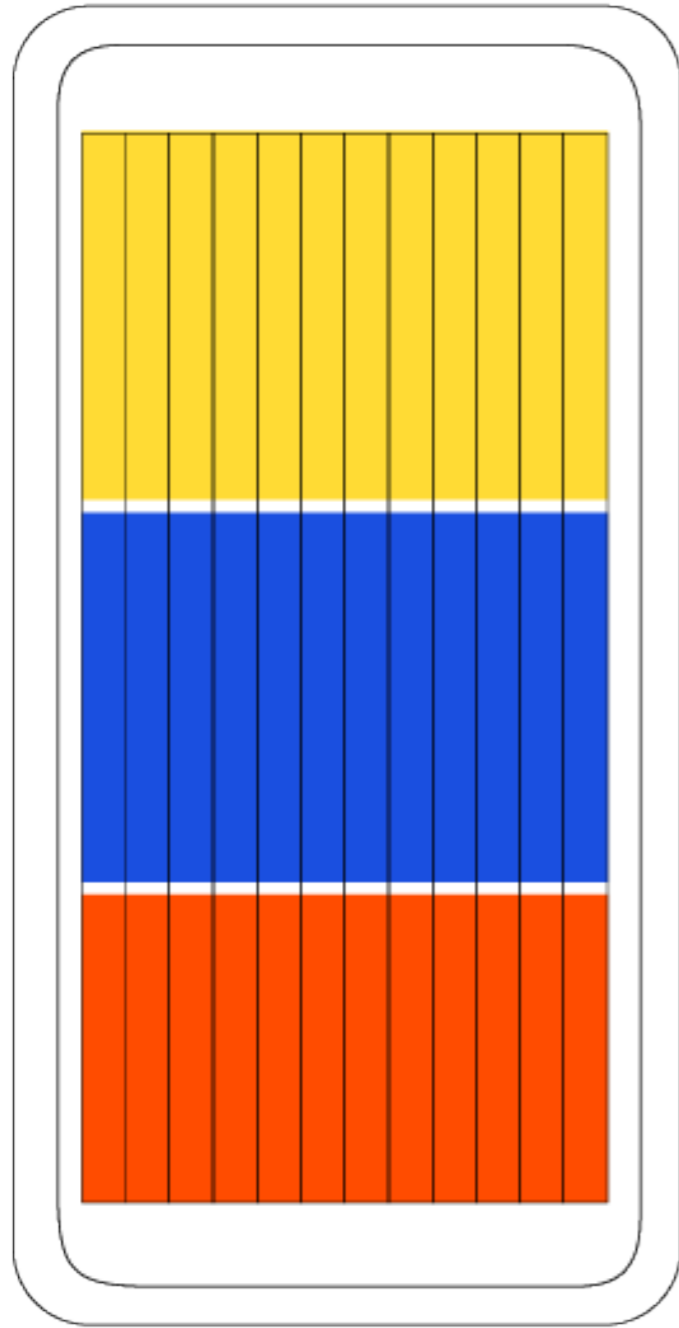
Media Queries + Grid

```css
.container {
  display: grid;
  grid-template-columns: repeat(12, 1fr);
}

aside {
  grid-column: 1 / 13;
}

main {
  grid-column: 1 / 13;
}

@media (min-width: 600px) {
  aside {
    grid-column: 1 / 5;
  }
  main {
    grid-column: 5 / 13;
  }
}
```

Aufgabe 1: All the news that's fit to print

1 Lade die Vorlage für "The Daily News" von Seafile herunter. Benutze CSS, um das Layout der Seite für verschiedene Bildschirmgrößen zu optimieren. Verwende dazu flexible Units, Media Queries und ein Grid deiner Wahl, und folge dem Mobile First Ansatz. Falls nötig kannst du der HTML-Datei Klassen oder IDs hinzufügen, aber die Struktur sollte bestehen bleiben.

2 Gestalte deine eigene reponsive News-Webseite. Kopiere oder verfasse die Texte, suche oder erzeuge passende Bilder, und erstelle ein Layout das sich verschiedenen Bildschirmformaten flexibel anpasst.