

# Fullstack 2024

**HTML & CSS** 7. prezentáció



# Tartalom

- Kódszervezés és hatékonyság
  - CSS @import,
  - CSS Reset, globális stílus szabályok
  - CSS változók
- CSS position szabály
- HTML5 box model és a box-sizing (content box vs. border-box)
- Ikonok használata
  - SVG (raszter vs vector alapú grafikák)
  - font awesome ikonok használata
- Multi Column Layout



# CSS @import

```
@import "navigation.css"; /* Using a string */
```

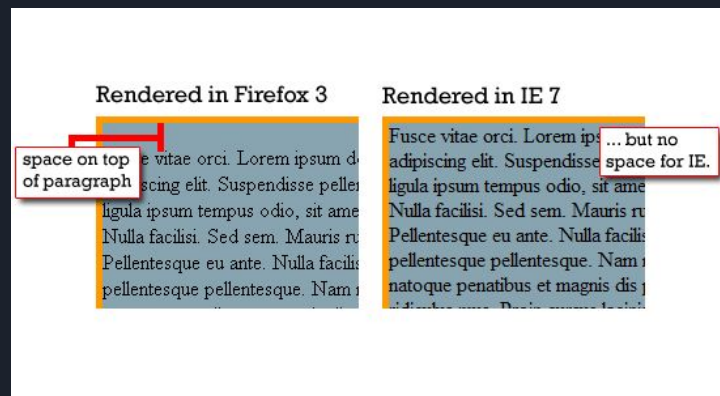
```
@import url("navigation.css"); /* Using a url */
```

- css fájlok importálása másik css fájlba
- az @import sor mindig a css fájl tetején (de a @charset után)
- hosszú css fájlok szétdarabolása külön css fájlokba => átláthatóság

Referencia: [w3schools](https://www.w3schools.com/css/css_import.asp)

# CSS Reset

- 'user agent' stylesheet
  - minden böngészőnek van
- böngésző stílus inkonzisztencia
- megoldás: css reset
- [Meyer féle CSS Reset](#)
- [normalize.css](#)





# CSS Pozicionálás: position szabály

`position: <static | relative | absolute | fixed >`

- static (alapértelmezetten minden elem static)
- relative
- fixed
- absolute
- sticky - kötelező megadni min. egy (top/right/left/bottom)

## z-index

- csak pozicionált elemeken működik (absolute, position: relative, position: fixed, vagy position: sticky)
- [referencia](#)

# CSS pozicionálás: abszolút & relatív viszony

- relatív szülő elem
- abszolút gyermek
- top és left

Pelda



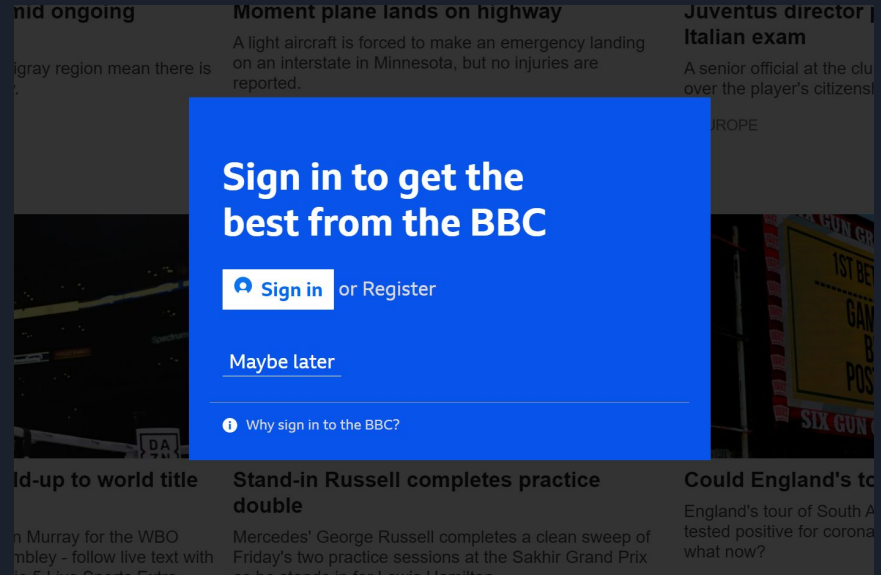
position: absolute;

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam auctor, orci ut maximus dictum, ante turpis vehicula arcu, nec fermentum erat felis non urna. Fusce mollis, tellus nec luctus tempus, lacus metus mollis risus, et commodo metus massa vel nulla. Sed molestie mattis odio, a malesuada mauris imperdiet sed. Nulla et sem velit. Aenean a facilisis dui. Fusce dictum accumsan odio id viverra. Nullam fringilla tristique tristique.

position: relative;

# CSS pozicionálás: Popup - hogyan?

- position: fixed szerkezet
- z-index
- áttetsző háttér

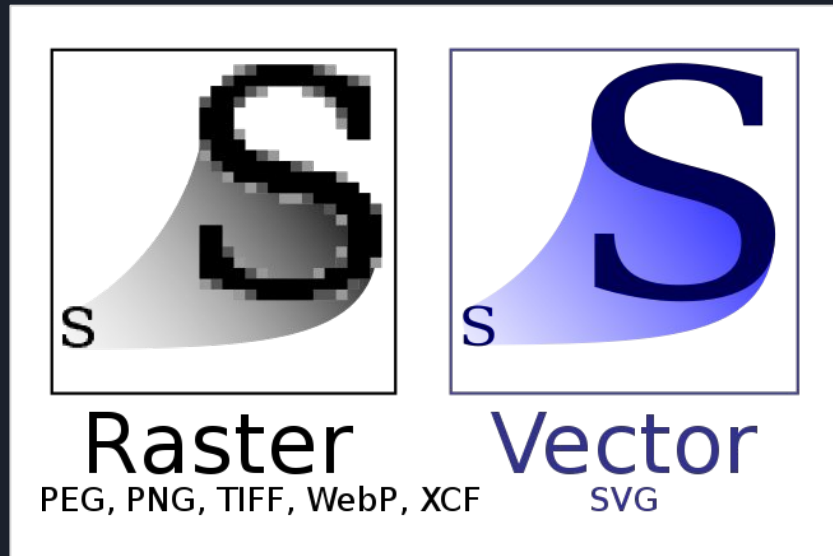


<https://www.bbc.com/>

# SVG - Scalable Vector Graphics

- vektor alapú
- átméretezés esetén nem romlik a minősége
- HTML-hez hasonló leírónyelv (XML),
- .svg fájlkiterjesztés
- W3C szabvány
- egyenesek és görbék koordinátája alapján jelenít meg
- a közbe zárt terletek formázhatóak
- animációt is támogatja

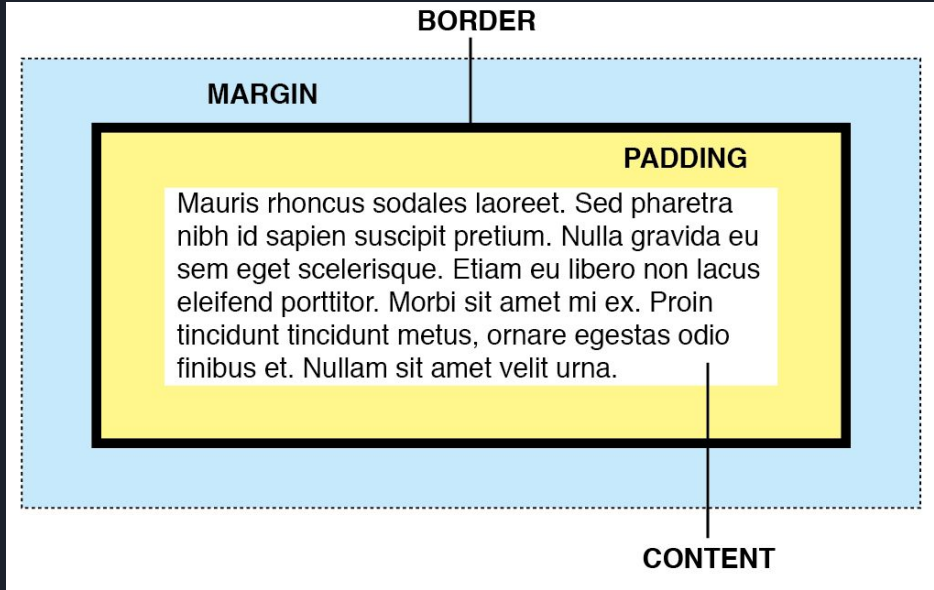
Referencia: [wikipedia](https://en.wikipedia.org/wiki/Scalable_Vector_Graphics), [w3schools](https://www.w3schools.com/svg/)



```
<svg width="100" height="100">  
  <circle cx="50" cy="50" r="40" stroke="green" stroke-width="4" fill="yellow" />  
</svg>
```

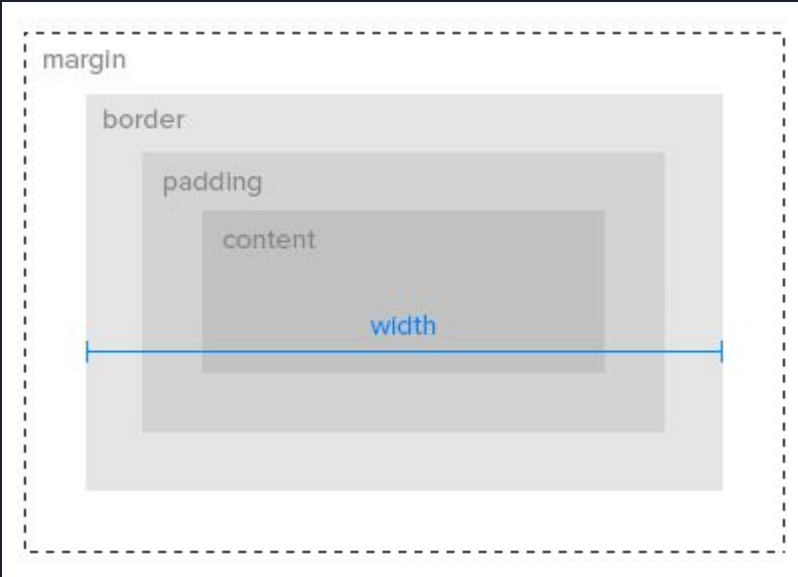


# Box model és a box-sizing



- Alapértelmezett box modell: content-box
- Elem teljes szélessége (Width) = tartalom szélesség vagy megadott width + bal és jobb padding + bal és jobb border
- Elem teljes magassága = tartalom magassága vagy megadott height + alsó és felső padding + alsó és felső border
- **box-sizing**: **content-box**; (default)

# Box model és a box-sizing



- [referencia](#)
- [példa1](#)
- [példa 2](#)

# Multi-column Layout - Több oszlopos elrendezés

- szövegek oszlopokba rendezése
- Szabályok:
  - column-count
  - column-gap
  - column-rule-style
  - column-rule-width
  - column-rule-color
  - column-rule
  - column-span
  - column-width

Referencia: [w3schools](https://www.w3schools.com/css/css3_multi_columns.asp)

## JOURNALISM

# DMN watchdog Lieber wins national award for columns

By TOM STEELE  
Staff Writer  
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Dave Lieber, *The Dallas Morning News* watchdog columnist, has won a national award for his writing.

Lieber, who focuses on consumer rights, was named the first-place winner for general interest columns in large publications by the National Society of Newspaper Columnists, which announced its annual contest winners Monday.

"Quite a few hucksters and wayward bureaucrats have felt the sharp bite of our Watchdog, deservedly so," said Mike Wilson, editor of *The News*. "We're pleased that this national organization recognized the important service Dave provides to our readers."

Lieber was awarded the honor for two columns he wrote in 2018:



DAVE LIEBER

one about a single mother who fought for restitution from a used car dealer in northwest Dallas and another about Marie Tippit, whose husband, Dallas police Officer J.D. Tippit, was fatally shot by Lee Harvey Oswald minutes before his capture in 1963.

Tippit said her last wish was to be buried next to her husband but that she'd been told it wasn't possible. After Lieber contacted the cemetery's owner on her behalf, the company let Tippet know that her final resting place could be beside her husband's. "J.D. was the love of my life," she said. "I'm overjoyed."

"Through a lively combination

of consumer advocacy and investigative reporting, Lieber's columns were models of suspenseful storytelling and public service," the organization said in its announcement.

Among more than 100 columns published in 2018, Lieber delved into the workings of Grand Prairie ISD, "the wackiest school district in North Texas"; informed readers about a change in the tax law that affected charitable deductions; and warned homeowners about a garage door company whose "shady practices" he has tracked for more than a decade.

Lieber previously won the columnist group's Legacy Award in 2017. The organization, founded in 1977, supports columnists and free-speech issues.

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