

# THINK YOU KNOW CSS?

Mark DuBois (Mark@4WebPro.org)

## Let's focus on:

- Container queries (components change based on where they reside in the UI)
- Native CSS nesting (instead of Less and Sass)
- High Definition CSS color guides (50% more colors coming soon)
- Tips to make your content look good

## CONTAINER QUERIES

**Working example** (view the source code – HTML)

Step 1 – set containment element (giving it a type and a name)

```
.card-container {  
  container: card / inline-size;  
}
```

## CONTAINER QUERIES

**Working example** (view the source code – CSS)

Step 2 – apply styles

```
@container (max-width: 450px) {  
  .card-child {  
    grid-template-columns: 1fr;  
  }  
}
```

## FLUID TYPOGRAPHY

`clamp()` – CSS function that clamps a middle value within a range of values.

3 values required – minimum, preferred, maximum

Font size grows with size of the viewport, but doesn't go beyond minimum or maximum values. No need for media queries.

## CONTAINER QUERY REVIEW

```
.panel {  
  container: layers-panel / inline-size;  
}  
  
.card {  
  padding: 1rem;  
}  
  
@container layers-panel (min-width: 20rem) {  
  .card {  
    padding: 2rem;  
  }  
}
```

### Working example

## NATIVE CSS NESTING

Previously using Less and Sass

Support presently limited (Chrome 112 minimum)

Note this is coming, but not ready for prime time

**Current approach**

```
table.colortable td {
  text-align:center;
}
table.colortable td.c {
  text-transform:uppercase;
}
table.colortable td:first-child, table.colortable td:first-child+td {
  border:1px solid black;
}
table.colortable th {
  text-align:center;
  background:black;
  color:white;
}
```



**Nesting approach**

```
table.colortable {  
  & td {  
    text-align:center;  
    &.c { text-transform:uppercase }  
    &:first-child, &:first-child + td { border:1px solid black }  
  }  
  & th {  
    text-align:center;  
    background:black;  
    color:white;  
  }  
}
```

## HIGH DEFINITION CSS COLOR GUIDES (CSS COLOR 4)

sRGB only choice for over 25 years (rgb, hsl, hex)

Now support for high definition displays (50% more colors to choose)

Many more choices (some browser support today)

**Review this article** (and all choices becoming available)

## Tips to **make your content look good**

(some of the key items include):

- Apply CSS reset (eliminate natural spacing)
- Set root variables and style main elements
- Set type scales (consistent design)
- Set fluid type – clamp ( )
- Add more space to top of headings; reduce space with direct siblings
- Reduce line height as type gets larger
- Set line length to 65 – 75 characters
- Apply color and contrast

## REFERENCES

- **Container queries article with examples** in CodePen
- **Fluid typography** with **`clamp()`**
- **CSS Nesting Module** (W3C)
- **High definition CSS color guides**
- **6 CSS snippets every front end developer should know**
- **Tips to make your content look good**