

TRANSFORMING XML AND HTML DOCUMENTS TO PDF USING CSS

PART 2 - LISTS, TABLES AND IMAGES

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Before we start

Reminder: Transforming XML and HTML documents to PDF using CSS,
Part 1 – Basic CSS Layout

https://www.oxygenxml.com/events/2020/webinar_transforming_html_documents_to_pdf_1.html

Poll

What is your level of CSS?

Poll

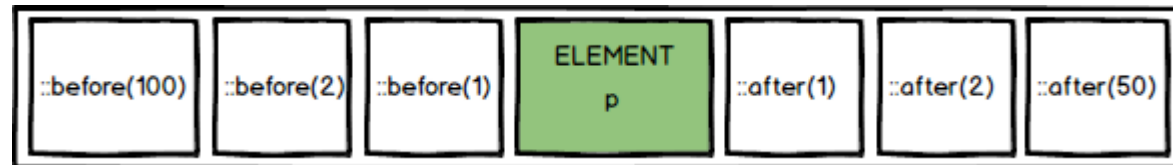
What PDF/CSS processor are you using?

Introduction – The ::before and ::after pseudo elements

- Defines children for a specific element
- Can be used on multiple elements (inline, block, table-cell, etc.)
- Allows the usage of the 'content' property

Introduction – Oxygen Extension `::before(n)` and `::after(n)`

- Replaces the default `::before` and `::after`
- Creates multiple children levels for the element



Introduction – The CSS Combinators

- Descendant combinator (space): **table td** → td descendant of table
- Child combinator (>): **ul > li** → li direct child of ul

https://developer.mozilla.org/en-US/docs/Learn/CSS/Building_blocks/Selectors/Combinators

Introduction - The CSS Combinators

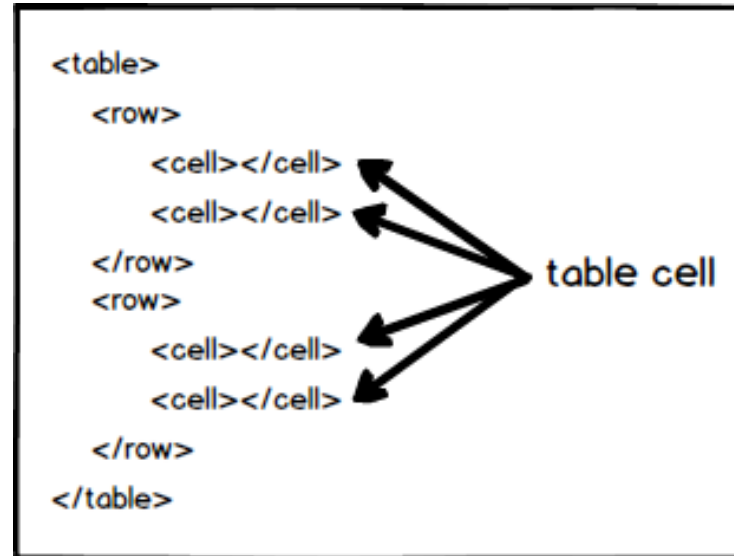


table > cell → no results

Define multiple before/after

- Use Oxygen before(n)/after(n) extension
- Use 'content' CSS property and custom counters

https://www.oxygenxml.com/doc/versions/23.0/ug-chemistry/topics/ch_advanced_styling_multiple_before_and_after_pseudo_elements.html

Define Tables

- Use the specific 'display' properties for tables:
 - table
 - table-row
 - table-cell
 - etc.

<https://developer.mozilla.org/en-US/docs/Web/CSS/display-internal>

Define Lists

- Use the specific display: `list-item` property
- Use child combinator to customize each list type differently
- Select the list bullet type using `list-style-type`

Define Images

- Use the CSS attribute selectors:
https://developer.mozilla.org/en-US/docs/Web/CSS/Attribute_selectors
- Use the CSS content: `attr(src, url)` property
Note: Works on multiple formats (.png, .jpg, .svg, .mml)

Define positioning

- Use the CSS 'position' property and set its value to relative/absolute
- Use top/right/bottom/left to position the block in its context

<https://developer.mozilla.org/en-US/docs/Web/CSS/position>

To go further...

Pseudo-elements:

- <https://developer.mozilla.org/en-US/docs/Web/CSS/::before>
- <https://developer.mozilla.org/en-US/docs/Web/CSS/::after>

Lists:

- https://www.w3schools.com/css/css_list.asp

THANK YOU!

Any questions?

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