

# TRANSFORMING DITA DOCUMENTS TO PDF USING CSS

## PART 4 – ADVANCED CSS RULES

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Oxygen Webinar, January 18<sup>th</sup> 2023

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# Introduction - Advanced CSS Selectors

- Use the @outputclass attribute:
  - \*[outputclass ~= "side-by-side"]
  - \*[class ~= "topic/fig"][outputclass ~= "center"]
- Use the :nth-child pseudo-class:
  - \*[class ~= "topic/row"]:nth-child(odd)

# Introduction - Custom CSS Properties

- Use the -oxy-changebar CSS properties:

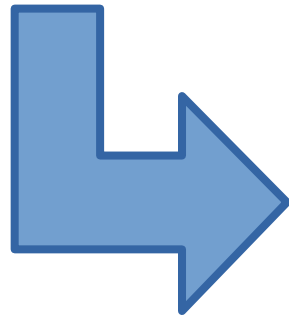
`-oxy-changebar-color: red;`

- Use the -oxy-pdf-viewer CSS properties:

`-oxy-pdf-viewer-zoom: fit-height;`

# How to Center a Figure

```
<fig id="fig_bpv_m14_b4b" outputclass="center">  
  <title>Illustration of Kepler's three laws with two planetary orbits</title>  
  <image href="../../../img/Kepler.svg" id="image_cp_v_m14_b4b"/>  
</fig>
```



```
/*  
 * Center Kepler's Illustration.  
 */  
*[class ~= "topic/fig"][outputclass ~= "center"] {  
  text-align: center;  
}
```

# How to Display Text and Image Side by Side

- Wrap the figure and its description in the same parent.

```
<div outputclass="side-by-side">
  <p><b>Mercury</b> is the smallest and innermost planet in the Solar System.
  Its orbital period around the Sun of 87.97 days is the shortest of all
  the planets in the Solar System. It is named after the Roman deity Mercury,
  the messenger of the gods.</p>
  <fig id="fig2">
    <title>Planet Mercury</title>
    <image href="../img/Mercury.jpg"/>
  </fig>
</div>
```

# How to Center a Table

- Use fixed measures in colspecs

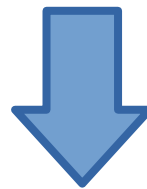
```
/*  
 * Center all the tables.  
 */  
*[class ~= "topic/table"] {  
  margin-left: auto;  
  margin-right: auto;  
}  
*[class ~= "topic/table"] *[class ~= "topic/title"] {  
  text-align: center;  
}
```



# How to Add Stripes to a Table

- Use the `:nth-child` pseudo-class

```
*[class ~= "topic/table"] > *[class ~= "topic/tbody"]  
> *[class ~= "topic/row"]:nth-child(odd) {  
  background-color: lightgray;  
}
```



Width	9.78 m	Measured from widest point
Mass	1,245 kg	

# How to Rotate Cell Content

- Use the DITA @rotate attribute:

```
<entry rotate="1">Name</entry>
```

```
/*  
 * Center the rotated cells text and display it on multiple lines.  
 */  
*[class ~="topic/entry"][rotate = '1'] {  
  padding-left: 4em;  
  vertical-align: middle;  
  white-space: normal;  
}
```



# How to Customize Change Bars

- DITA Parameters:
  - show.changes.and.comments=yes
  - show.changes.and.comments.as.changebars=yes (default)
- Use the -oxy-changebar CSS properties:

```
.oxy-range-start[is-changebar]:before(100) {  
  -oxy-changebar-offset: 0.25in;  
  -oxy-changebar-placement: end;  
  -oxy-changebar-style: solid;  
  -oxy-changebar-color: red;  
  -oxy-changebar-width: 1pt;  
}
```

# How to Change Note Icons

- Use the background-image property:

```
/*  
 * Change note icons.  
 */  
div.note_note {  
    background-image: url("img/note.svg");  
}  
div.danger {  
    background-image: url("img/danger.svg");  
}
```

# How to Control the PDF Viewer

- Use the `-oxy-pdf-viewer` CSS properties:

```
/*  
 * Customize the PDF Viewer preferences.  
 */  
:root {  
  -oxy-pdf-viewer-zoom: fit-height;  
  -oxy-pdf-viewer-page-mode: use-outlines;  
  -oxy-pdf-viewer-page-layout: two-column-left;  
}
```

# Useful Links

- <https://developer.mozilla.org/en-US/docs/Web/CSS/:nth-child>
- [https://www.oxygenxml.com/doc/ug-chemistry/topics/ch\\_changeBars.html](https://www.oxygenxml.com/doc/ug-chemistry/topics/ch_changeBars.html)
- [https://www.oxygenxml.com/doc/ug-ope/topics/dcpp\\_images.html#dcpp\\_how\\_to\\_center\\_images](https://www.oxygenxml.com/doc/ug-ope/topics/dcpp_images.html#dcpp_how_to_center_images)
- [https://www.oxygenxml.com/doc/ug-ope/topics/dcpp\\_images.html#dcpp\\_how\\_to\\_place\\_a\\_text\\_and\\_image\\_side\\_by\\_side](https://www.oxygenxml.com/doc/ug-ope/topics/dcpp_images.html#dcpp_how_to_place_a_text_and_image_side_by_side)
- [https://www.oxygenxml.com/doc/ug-ope/topics/dcpp\\_tables.html#dcpp\\_how\\_to\\_center\\_tables](https://www.oxygenxml.com/doc/ug-ope/topics/dcpp_tables.html#dcpp_how_to_center_tables)
- [https://www.oxygenxml.com/doc/ug-ope/topics/dcpp\\_tables.html#dcpp\\_how\\_to\\_add\\_stripes\\_to\\_a\\_table](https://www.oxygenxml.com/doc/ug-ope/topics/dcpp_tables.html#dcpp_how_to_add_stripes_to_a_table)
- [https://www.oxygenxml.com/doc/ug-ope/topics/dcpp\\_tables.html#dcpp\\_how\\_to\\_rotate\\_the\\_contents\\_from\\_a\\_table\\_cell](https://www.oxygenxml.com/doc/ug-ope/topics/dcpp_tables.html#dcpp_how_to_rotate_the_contents_from_a_table_cell)
- [https://www.oxygenxml.com/doc/ug-ope/topics/dcpp\\_metadata.html#dcpp\\_how\\_to\\_control\\_the\\_pdf\\_viewer](https://www.oxygenxml.com/doc/ug-ope/topics/dcpp_metadata.html#dcpp_how_to_control_the_pdf_viewer)
- [https://www.oxygenxml.com/doc/ug-ope/topics/dcpp\\_notes.html](https://www.oxygenxml.com/doc/ug-ope/topics/dcpp_notes.html)

# Bonus: i18n - How to Change Existing Strings

- Override the default CSS rules
- Debug the CSS Stylesheets

[https://www.oxygenxml.com/doc/ug-ope/topics/dcpp\\_debugging\\_the\\_css.html](https://www.oxygenxml.com/doc/ug-ope/topics/dcpp_debugging_the_css.html)

## Bonus: i18n - How to Change Existing Strings

- Use an external Oxygen Publishing Engine
- Create a custom localization plugin
- Reminder: Don't forget to integrate!

[https://www.oxygenxml.com/doc/ug-ope/topics/dcpp\\_localization\\_\\_transformation\\_based\\_on\\_html5\\_\\_css.html](https://www.oxygenxml.com/doc/ug-ope/topics/dcpp_localization__transformation_based_on_html5__css.html)

# Feedback

How was the information presented in this webinar?

# THANK YOU!

**Any questions?**

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