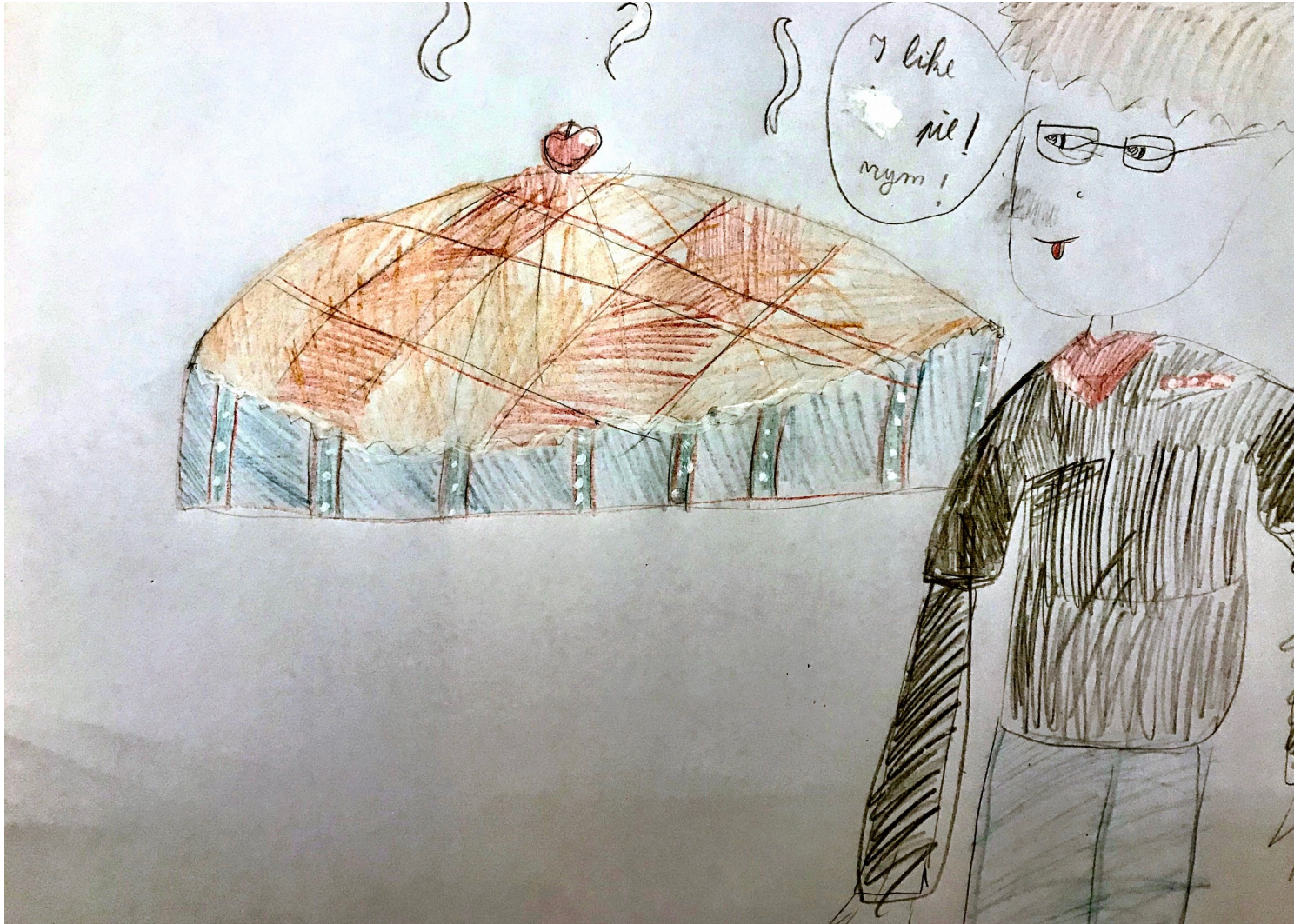


# Easy as $\Pi$ PDF Customization Using CSS

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# Easy as Pie PDF Customization Using CSS



# Create PDF using CSS

<https://github.com/oxygenxml/dita-ot-css-pdf>

- Use CSS to style HTML obtained from DITA content and publish to PDF.
- Three possible engine choices:
  - Prince XML
  - Antenna House
  - Oxygen Chemistry

# DITA => HTML + CSS = PDF

## Advantages:

- CSS can be shared with web published content
- Good support in PDF processors

# Fonts

- Dynamically load fonts
- Specify fallback fonts

```
@font-face {  
  font-family:"roboto";  
  font-style:normal;  
  src:url("../fonts/RobotoCondensed-Regular.ttf");  
}
```

```
front-page-title {  
  .....  
  font-size:2em;  
  font-family:roboto, serif;  
  font-weight:bold;  
}
```

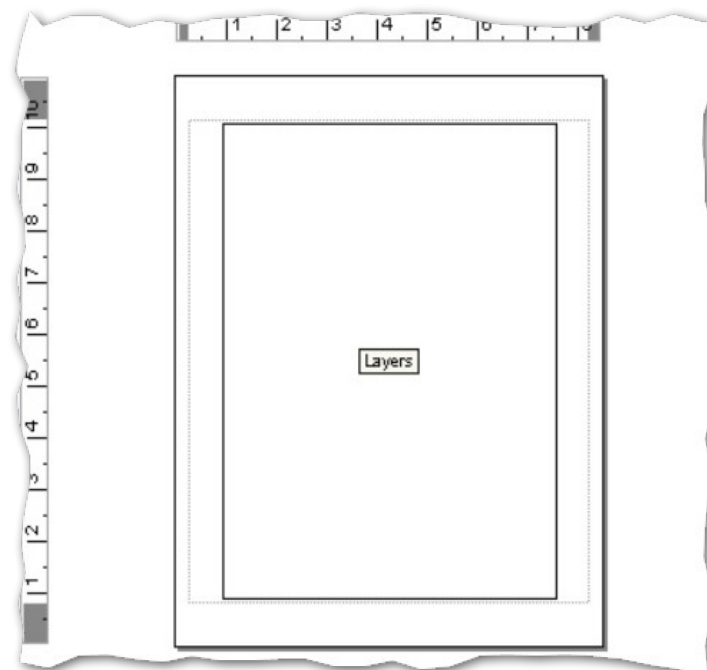
# Custom Front Page Background Image

```
// Background image for the cover page.  
@page front-page{  
    background-image: url("images/author_cover_background.svg");  
    background-size: 8.5in 11in;  
    background-position: right bottom;  
}
```

# Setting page margins and size:

<https://www.w3.org/TR/css3-page/>

```
@page {  
  padding-top:0.2em;  
  padding-bottom:0.2em;  
  /* Letter */  
  size: us-letter;  
  margin: 1in;  
}
```





# Change Page Orientation

```
@page table-landscape {  
    size:landscape;  
}  
@page table-portrait {  
    size:portrait;  
}  
*[class~="topic/table"][orient='land'] {  
    page: table-landscape;  
}  
*[class~="topic/table"][orient='port'] {  
    page: table-portrait;  
}
```



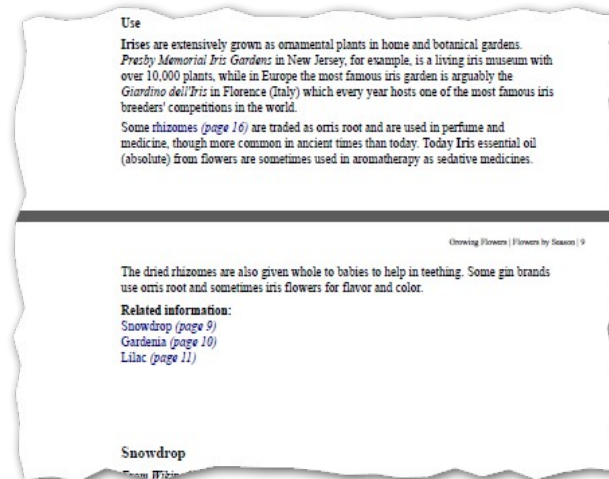
# Changing the column count:

```
@page two-columns{
    column-count: 2;

    column-gap: 1in;
}
*[class~="topic/topic"][outputclass='two-columns'] {
    page: two-columns;
}
*[class~="topic/topic"][outputclass='two-columns'] title {
    column-span: all;
}
```

# Page breaks:

<https://www.w3.org/TR/css-break-3/>



```
*[outputclass= "break-before" ] {  
    page-break-before:always;  
}
```

# Page mirroring

<https://www.w3.org/TR/css3-page/#spread-pseudos>

```
@page :left {  
  margin-left: 3cm;  
  margin-right: 4cm;  
}
```

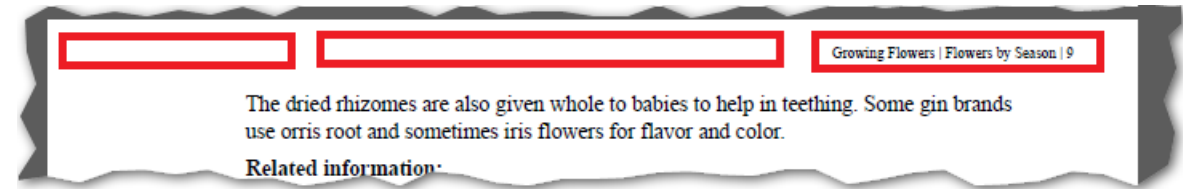
```
@page :right {  
  margin-left: 4cm;  
  margin-right: 3cm;  
}
```

# Page Margin Boxes

[https://www.oxygenxml.com/doc/versions/19.1/ug-chemistry/topics/ch\\_page\\_formatting.html](https://www.oxygenxml.com/doc/versions/19.1/ug-chemistry/topics/ch_page_formatting.html)



# Page Headers/Footers



```
@page {  
  @top-right {  
    content: string(maptitle) " | " string(chaptertitle) " | " counter(page);  
    font-size:8pt;  
  }  
}
```

## Support for multiple languages

- Fallback fonts
- Static texts depending on the language
- Right to left writing



# Introducing: The Styles Basket





# Using Online CSS Builder

Online Styles Basket:

<https://styles.oxygenxml.com/>

# Publishing a single topic

Resolving indirect links (key and conkeyrefs).

# Thank You!

# Questions?

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