

# #PrintCSS



- New(er) tools!
- What's missing?
- What's annoying?
- New #PrintCSS resources
- Standardization deadlock?

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# What is print-css.rocks?



- **www.print-css.rocks**
  - Platform for vendor/project-neutral information about PrintCSS aka W3C „CSS Paged Media“
  - PrintCSS lessons
  - Overview over PrintCSS tools
  - Comparison of PrintCSS tools in the context of a specific CSS feature
  - since XMLPrague 2017
  - major Corona update with new 4 new tools and visual improvements

# Newer PrintCSS Tools



Established Tools	Newer Tools
<b>PrinceXML</b> (commercial)	<b>Typeset.sh</b> (PHP, commercial)
<b>Antennahouse</b> (commercial)	<b>WeasyPrint</b> (Python, free)
<b>PDFreactor</b> (commercial)	<b>Vivliostyle</b> (Javascript, Chromium, free)
	<b>PagedJS</b> (Javascript, Chromium, free)

# What's missing in PrintCSS tools? (highly opinionated)



- **CSS Grid**
- **CSS Flexbox**
- **full featured** footnote support (single and multi-column environments) with different formatting options
- more complete and universal Javascript support

# What's annoying in PrintCSS tools?

- defaults for margins, borders, font parameters etc. different across all tools (e.g. page area defaults)
- Footnotes
  - Standardization incomplete (GCPM-3)
  - implementation variations across tools (in particular in multi column contexts)
  - different (supported) rendering behaviors (lists vs. inline markers, *footnote-display*)
- Lacking support for adaptive rendering using custom Javascript code (e.g. adjust image sizes, adjust font-sizes on-the-fly)
- many useful extensions across all tools but usually only existent in one tools (e.g. HTML inclusions support *xhtml()* of PDFreactor)



# PrintCSS.live by Andreas Zettl

PrintCSS Playground

Share

HTML

```
1 <div class="break"></div>
2 <span class="head">
3   <b>Max Mustermann</b>
4   <br />
5   a fancy and long title
6 </span>
7 <br />
8 max.mustermann@example.com
9 <br />
10 Mobile +49 123 4567 8901
11 <br />
12 www.example.com
```



CSS

```
1 @page{
2   size:3.5in 2in;
3   marks:crop;
4   bleed:0.125in;
5   margin:0.25in;
6 }
7
8 @page:first{
9   background:rgb(188, 11, 6);
10  background-image:url(https://azettl.github.io/h
11  background-position: center:
12
```

JavaScript

```
1 /*
2  Put your JavaScript here!
3
4  But be aware that not all rendering tools
5  are supporting JavaScript.
6 */
```

Preview powered by paged.js



PDF rendered with Weasyprint (https://weasyprint.org/)

# PrintCSS.net by Andreas Zettl

## HTML to PDF API with Print CSS Support

Use our HTML to PDF API if you want more than just a REST Service version of the Print to PDF Browser function. With the support of the three rendering tools, WeasyPrint, PagedJS, and Vivliostyle, you can make full use of CSS Paged Media!

```
curl --location --request POST 'https://printcss-cloud.p.rapidapi.com/render' \
--header 'x-rapidapi-host: printcss-cloud.p.rapidapi.com' \
--header 'x-rapidapi-key: YOUR_API_KEY' \
--data-raw '{
  "html": "ch1 id='\"'js'\"'Hello PrintCSS Cloud!</h1><img src='\"'relative-path-to/file.zip.png'\"'/>",
  "css": "h1{ color:red; }",
  "javascript": "document.getElementById('\"'js'\"').style.backgroundColor='\"'blue'\"';",
  "assets": "BASE64_ENCODED_ZIP_FILE"
}'
```

## # Watch the Videos

On this page, you will find the latest videos about Print CSS from our awesome creators. Please follow them on YouTube directly to see all their amazing content!



### Introduction to the PrintCSS Playground and PrintCSS Cloud

27.11.2021 | Andreas Zettl

Learn all about the PrintCSS Playground and the PrintCSS Cloud!



### Andreas Zettl macht mit HTML professionelle Drucksachen

27.11.2021 | Andreas Zettl

Interview für den publishingblog.ch



### Page Margin Boxes

27.11.2021 | Andreas Zettl

In this video, you will learn all about page margin boxes.

## Directory

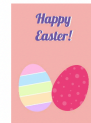
This directory provides an overview of all the PrintCSS examples I have created so far. You can [download the source code and resulting PDF](#) for everything on GitHub, and most examples offer links to an article or video with detailed descriptions on how to create such a document.



### Our Fantastic Cookbook



### Cocktails for PrintCSS Developers



### Basic Easter Card



### Sushi Place



### Amazing Fast Food - Best Burgers in Town!



### Shipping Label

# Deadlock in standardization process? *(my personal observation and opinion!)*

- currently no leadership for PrintCSS regarding CSS Paged Media and related standards
- frozen/dead standardization process
- **commercial vendors** implement the W3C standards and their **own extensions** based on business/customer requirements
- **free PrintCSS projects stick** (strictly) to the **W3C standard** („We only extend our functionality under the guidance of the W3C“)
- (almost) no discussion among vendors and projects
- 🦴 **Are we in a standardization deadlock?** 🦴