Understanding the browser rendering cycle



Hey! Nope you're well — thank you for opening the first issue of the year! After a festive break, we're back and ready to keep you updated on all things frontend for another year.

If you missed our last issue, we took a look back over some of the highlights shared in Frontend Focus throughout 2021 (you can read it here — there's plenty of good stuff worth reading). Also, whilst

I've got you, you may want to follow our accompanying Twitter account, sharing helpful resources and handy links most days. Anyway, that's all from me. All the best for 2022! — Chris

Composite

Style Layout **Paint**

The Browser Rendering Cycle, Hardware Acceleration & Compositor Layers — A detailed

that's essential for a performant frontend. MATTHEW COSTELLO Course: Dynamic CSS with Custom Properties (aka CSS Variables) — Join Lea Verou and learn how best to leverage Custom Properties - a

read that aims to give the reader a solid understanding of the

rendering cycle, how to analyse it with available tools, and minimise the work necessary to deliver frames - something

revolution in how we write CSS. This detailed course will see you improve code reuse, maintainability, and enable possibilities that previously required large amounts

of JavaScript. FRONTEND MASTERS | SPONSOR | Improving Core Web Vitals, A Smashing Magazine Case Study — How Smashing Magazine went about improving their own Core Web Vitals, with details on detection, how they fixed any bottlenecks, and ended up with

BARRY POLLARD Frontend Developer Resources for 2022 - Nick

green scores across the board.

animation, testing, and more. **NICK TAYLOR** Quick bits: A lawsuit has been filed alleging that Google is violating

has compiled a list of stuff he found to be compelling

throughout 2021. Lots of good stuff here including videos, tutorials, and resources on things such as CSS, JavaScript,

antitrust laws by paying Apple to 'stay out' of the search business. Mozilla has started accepting crypto donations, but it hasn't gone down well — as these two rather sweary tweets illustrate. Jen Kramer's 'Getting Started with CSS' course is

This case study looks at how 'dark mode' helped

reduce bounce rate and increase pages read for one Brazilian media company by some considerable margin.

 Xavier Harding interviews award-winning UI Design Engineer Sara Soueidan on frontend development,

currently free on Frontend Masters.

design, and more.

GOOGLE CHROME DEVELOPERS

width and other properties.

STEPHANIE ECKLES

with Doppler.

defaults defaults?

Jobs

HIRED

info here.

more appealing. TOM QUINONERO

define via HTML classes.

CLEARTAX

CSS A

/* Only text in **bold** differs */

background-color: #d7ccc8;

.a div:last-child {
background-color: #90caf9;

> display, padding, border, color...

be tested on. ALEKSEI BEREZKIN

we'll take a look.

Published by Cooper Press Ltd.

Curated by Chris Brandrick & Peter Cooper.

THIS!

DIMENSION FOUR

Tutorials, Articles & Opinion

▶ Generating Your Color Palette in CSS — Jake

capabilities, color mixing, contrast calculations, and more.

Metaphors We Web By — An interesting post looking

down to discuss Color Spaces — touching upon device

Archibald and Surma (who is leaving Google after 7 years) sit

over the history of our metaphorical understanding of MAGGIE APPLETON Container Queries — This incoming CSS feature will allow developing components that respond to their container's

Doppler - All Your Environment Variables in One

avoiding access controls. Keep your team and servers in sync

Place — Stop struggling with scattered API keys and

Chrome' — Šime has encountered two bugs in Chrome while testing the new CSS text-decoration-thickness and text-underline-offset properties as shared here. ŠIME VIDAS

Should CSS Override Default Browser Styles? –

Every CSS ruleset you write will likely changes the defaults of

Smoothly Reverting CSS Animations NIKOLA ĐUZA

Frontend Developer Excited About Internet of Things? —

positioned for exponential growth, working with emerging

Great opportunity to join a remote-friendly company

technologies and tools. Apply now.

Find Frontend Engineering Jobs with Hired — Create a profile on Hired to connect with hiring managers at growing startups and Fortune 500 companies. It's free for job-seekers.

🚊 Looking to share your job listing in Frontend Focus? **There's more**

JavaScript Console Input — This is a console side-byside with a web page, so you can run script snippets while learning. The default example web page is **Eloquent** JavaScript but you can enter any online resource. JAKUB T. JANKIFWICZ

Inspect: Figma Plugin to Export to HTML, React, or Tailwind FIGMA

Got a new email address? You can change your email here.

Got a link for us? Reply and tell us. We can't include everything but

Bored of us? Click here to stop getting this newsletter.

Fairfield Enterprise Centre, Louth, LN11 0LS, United Kingdom

DOPPLER SPONSOR 'CSS Underlines Are Too Thin and Too Low in

something. But should CSS override browser

CHRIS COYIER **Building Gatsby Themes for WordPress-Powered Websites** PAULINA HETMAN ► The Six Most Important CSS Concepts for Beginners KEVIN POWELL

projects for Riot Games, FOX, Sony, Coinbase, and more. X-TEAM

Frontend Developer at X-Team (Remote) — Join the most energizing community for developers and work on long-term

rgba(129,254,233,1) deg rgba(246,110,255,1) **Swap Colors** Non Boring Gradients: Online Tool to Build

non-linear easing, evidently making the gradients

Try JavaScript Online: Simple Web-based

Gradients That Look Good — As the author explains, this takes advantage of non-sRGB interpolation spaces and

Code, Tools and Resources

Buildkite Is Now an Official AWS Graviton Ready Partner. Read All the Details Here BUILDKITE SPONSOR HTML Mocker: A Script to Mock Dynamic Data in HTML for Automatic Responsiveness Testing – Just add the script to a page and it will randomize the innerText content for elements based on constraints you can

a b c a a b

/* Only text in **bold** differs */

background-color: #d7ccc8;

div:first-child {
background-color: #90caf9;

> display, padding, border, color...

Guess CSS: An Interactive HTML & CSS Game —

matches. You can even filter which CSS features you want to

An interesting game to test your CSS layout knowledge.

Based on a visual layout, select which code example

THIS!

css c

}

div:last-child {

/* Only text in **bold** differs */

background-color: #d7ccc8;

background-color: #90caf9;

THIS!

> display, padding, border, color...

CSS B

}

Stop getting this newsletter





文件由 🖂 QQ邮箱生成