

# Color on the web CG teleconference

2021-05-24 @ 21:00 UTC

## Attendees

- Chris Blume
- Chris Cameron
- Chris Lilley (CG co-chair)
- Chris Needham
- Chris Seeger
- Imane Filali
- Jeff Gilbert
- Ken Russell
- Lars Borg
- Lea Verou
- Masaru Takechi
- Pierre-Anthony Lemieux (meeting chair, CG co-chair)
- Rafael Cintron
- Joe Drago
- Mike Smith

## Action items

Action item: Chair to encourage participation from Android and Apple (Simon Fraser) folks to better understand platform capabilities and roadmap.

## HDR in Canvas/WebGPU/WebGL

Review open issues and pull requests against:

[https://github.com/w3c/ColorWeb-CG/blob/master/hdr\\_html\\_canvas\\_element.md](https://github.com/w3c/ColorWeb-CG/blob/master/hdr_html_canvas_element.md)

The objective is to resolve blocking issues by June 7 so that prototyping can start.

<https://github.com/w3c/ColorWeb-CG/issues/36>

- Defer until after initial prototype

Action item: Jeff Gilbert to open an issue to define an API to extract ST 2086 and MaxCLL/FALL metadata from <img> and <video> elements

<https://github.com/w3c/ColorWeb-CG/issues/39>

- Defer until after initial prototype

<https://github.com/w3c/ColorWeb-CG/issues/42>

Action Item: Chris Cameron to create a strawman document in the Color Web repo to specify API to obtain display characteristics (max luminance, primaries, etc.)

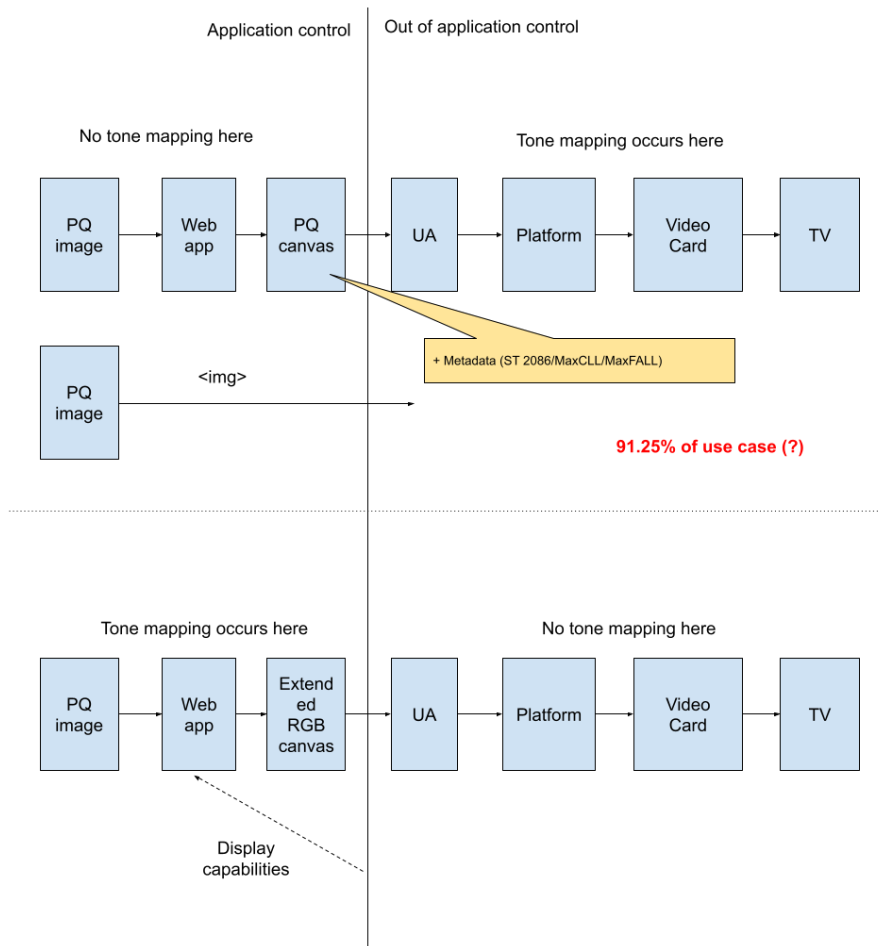
## Where does tone mapping happen?

<https://lists.w3.org/Archives/Public/public-colorweb/2021May/0022.html>

Tone mapping includes: HDR -> HDR, SDR -> HDR and HDR -> SDR

Two paths:

- 1) Tone mapping occurs outside of the application's control when PQ or HLG canvas is used.
- 2) Application is responsible for tone mapping when extended RGB canvas is used



# JavaScript Color object for the Web Platform

<https://lists.w3.org/Archives/Public/public-colorweb/2021May/0033.html>

Explainer: <https://github.com/LeaVerou/color-api>

Draft spec: <https://projects.verou.me/color-api/>

Please review the explainer and specification and raise issues on GitHub.

## HDR support in PNG

Initial complete set of requirements:

<https://github.com/w3c/ColorWeb-CG/blob/master/hdr-in-png-requirements.md>

The draft PNG WG charter has been posted to the AC for advanced notice:

<https://w3c.github.io/charter-drafts/png-2021.html>

A WG Chair is sought. Please contact Chris Lilley ([chris@w3.org](mailto:chris@w3.org)) with suggestions or offer to volunteer.

Charter is scheduled to be reviewed by the AC review in a couple of weeks. Expressions of interest from at least 5% of AC member companies is strongly encouraged.

## Administrative

Please carefully review CG rules/policies (<https://www.w3.org/community/about/>)

Please add your name to your GitHub user profile (<https://github.com/settings/profile>)

Calendar at:

- [https://calendar.google.com/calendar/embed?src=nr9r5ibs0f4jcuebisd2lvie1s%40group.calendar.google.com&ctz=America%2FLos\\_Angeles](https://calendar.google.com/calendar/embed?src=nr9r5ibs0f4jcuebisd2lvie1s%40group.calendar.google.com&ctz=America%2FLos_Angeles)
- <https://calendar.google.com/calendar/ical/nr9r5ibs0f4jcuebisd2lvie1s%40group.calendar.google.com/public/basic.ics>

## Next meeting

Recurring meeting on Monday 21:00-22:30 UTC every two weeks, starting on April 12.

Next meeting 2021-06-07