Color on the web CG teleconference

2021-03-16 @ 21:00 UTC

HDR support in PNG

https://github.com/w3c/ColorWeb-CG/blob/master/png_cicp_chunk_proposal.md

Review draft document and outstanding issues:

- Consensus to not require support for YUV 4:4:4
    - PNG does not currently support YUV
    - Complex undertaking that is orthogonal to HDR support
    - Narrow range RGB can be supported without supporting YUV
- Consensus to keep MATCOEFFS signaling for future proofing (PR #17)
- Decoder behavior should be specified when both iCCP and cICP are present
    - Well-defined behavior is beneficial to the web
    - cICP should not always take precedence over iCCP since they apply to different use cases and cICP may contain information not in iCCP

Action Item: Leonard to craft proposal introducing a new chunk containing enhanced ICC information that would take precedence over cICP

HDR in Canvas/WebGPU/WebGL

Chris Cameron has factored out the HDR provisions from the WICG Canvas proposal

https://github.com/WICG/canvas-color-space/blob/main/CanvasColorSpaceProposal.md

...into the following strawman, which was reviewed:

https://github.com/w3c/ColorWeb-CG/pull/15

Consensus to merge PR #15 after editorial pass by Chris Cameron, using the document as a basis for the work of the CG.

Action item: Chair to file issue on https://github.com/WICG/canvas-color-space indicating that the Color CG offers to study HDR in Canvas, leaving the WICG proposal focused on WCG, which is more mature.

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

Next meeting

March 31 @ 21:00 UTC

Administrative

Review CG rules/policies (https://www.w3.org/community/about/)

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/ical/nr9r5ibs0f4jcuebisd2lvie1s%40group.calendar.google.com/public/basic.ics

Action item: Chris Lilley to look into emails from google.com to the mailing list going into spam folders, e.g. Chris Cameron's email with his original HDR/WCG slides went into Ken Russell's spam folder

Attendees

- Chris Blume
- Chris Cameron
- Chris Needham
- Chris Seeger
- Craig Todd
- Imane Filali
- Jeff Gilbert
- Ken Russell
- Lars Borg
- Leonard Rosenthol
- Marc Mahy
- Masaru Takechi
- Max Derhak
- Phil Green
- Pierre-Anthony Lemieux (meeting chair, CG co-chair)
- Simon Thompson
- Timo Kunkel