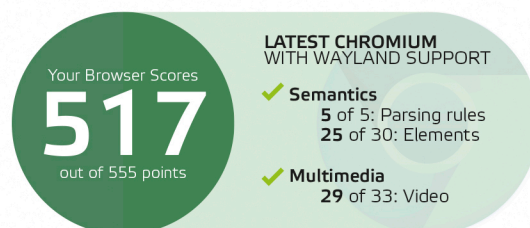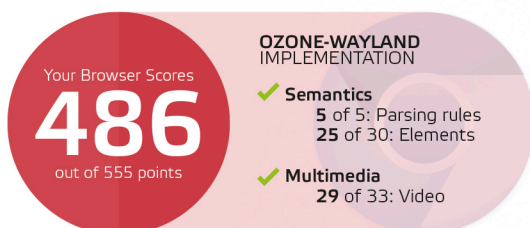# GPU-accelerated
Chromium on Wayland!

Wayland is the most advanced **X11-replacement display protocol**, shipping today in a variety of desktop and embedded environments. **Igalia** has been actively contributing to the effort of getting the **Chromium** browser running natively on **Wayland**.
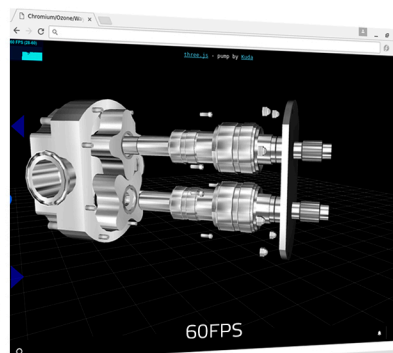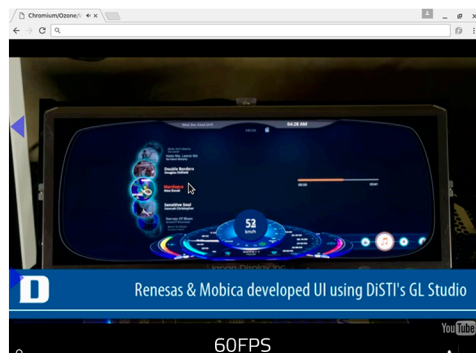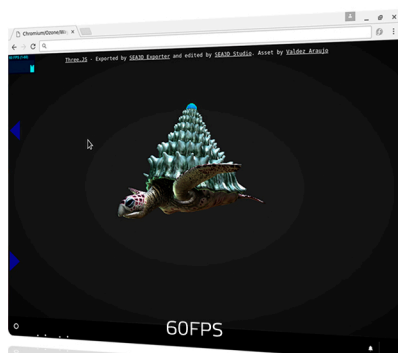
igalia

OZONE-WAYLAND IMPLEMENTATION

Your Browser Scores

486

out of 555 points

✓ **Semantics**
5 of 5: Parsing rules
25 of 30: Elements

✓ **Multimedia**
29 of 33: Video

LATEST CHROMIUM WITH WAYLAND SUPPORT

Your Browser Scores

517

out of 555 points

✓ **Semantics**
5 of 5: Parsing rules
25 of 30: Elements

✓ **Multimedia**
29 of 33: Video

html5test.com

As part of a collaboration with Renesas to the Chromium project, Igalia is currently developing Ozone's Wayland backend implementation, aligned with the long-term development goals of the Chromium community. We have been focusing on GPU rendering pipeline integration within Ozone-Wayland and full windowing system integration.

This demo is the result of these ongoing efforts, allowing the R-Car Gen3 to be the first platform to deliver a browser running on Wayland with the same excellent HTML5 support as Chromium for Desktop as well as GPU acceleration inline with the latest upstream Chromium architecture. The R-Car Gen3 is also the first to run the latest AGL platform.

○ Hardware accelerated rendering (screenshots of a WebGL content) at 60 FPS.

○ Excellent HTML5 support using Chromium's web engine (*html5test.com* score compared to the old Ozone-Wayland implementation, 517 vs 485).

60FPS

Renesas & Mobica developed UI using DiSTI's GL Studio

60FPS

60FPS

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// **15 Years**
rocking in the free world.