

Agastya: A Complete Accessibility Solution by Oswald Labs

About Oswald Labs:

[Oswald Labs](#) is an award-winning accessibility technology company. With our research-driven and inclusive product portfolio, we've impacted thousands of lives throughout the globe.

Abstract:

Agastya is a solution for web developers to help incorporate accessibility features in their websites. It features an array of disabled-friendly modes which you can add to your website. By adding just one line of JavaScript code, you can make your website accessible to a much wider audience. You can customize the widget, view usage analytics, and more.

Here's a description of some of our key features:

- Our exclusive dyslexia-friendly mode uses the research verified by the British Dyslexia Association and the W3C for up to 65% easier and faster reading for those with learning disorders.
It automatically changes the color schemes and contrast ratios, typography, and removes unnecessary elements.
- Built-in content extraction finds the main content of your webpage and reads it out for the partially or completely blind. It can also translate your content into the user's language over-the-air before reading aloud.
- Agastya also adds screen reader support to your webpage, right out of the box, plus keyboard shortcuts for navigation and read aloud features.
- For reading after sunset, our Sepia mode filters out blue light and has a reddish-brown color combination for users.
It simulates an adjustment to the color temperature of a user's display to reduce eye strain and disruption of sleep patterns, much like the program f.lux.
- Our patent-pending technology automatically generates alternate text (ALT tags) for images using advanced computer vision & machine learning.
Content creators and developers will not have to manually specify the alt attribute for every image, it will be automatically added to those that don't.
- Developers get access to raw data and computed analytics about their users' disabilities. They can find out what modes are being used by users, and which pages require their attention.
- Make your content available to everyone with built-in translation. Using neural machine translation, users will be able to translate your website's content to over 100 languages. Developers can choose what languages they want to make available or let users decide, using Google's engine across pages.

All in all, Agastya is a complete solution to make any website accessible to everyone by adding just one line of code. Read more about Agastya at <https://oswaldlabs.com/agastya>.