Validator Table:

**Table 1.** Survey and evaluation of CSS validation tools. Accessibility key: “1” keyboard operable, “2” appropriately labeled for screen readers, “3” ease of use w screen reader, familiarty of web programming is assumed

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Validator Name | URL: | Syntax  | Computed In-Browser Styling | Automated accessibilitycheckers | **Install/set up** process | **Install/set up**accessible | **Use of tool** accessible |
| CSSTree Validator  | https://www.npmjs.co\m/package/css-tree | yes | no | no | Command line usage: NPM install | Accessible if one has experience with using the command line.  | 1,2,3 |
| W3C Jigsaw | <https://jigsaw.w3.org/css-validator/> | yes | n/a | yes | 3Copy paste url | Accessible if one if familiar with useing the web | 1,2,3 |
| CSS Accessibility Validator | <https://github.com/elad2412/css-accessibility-validator> | Yes  | No | Yes | Add this module to one’s working source file | Accessible if one is familar with web development and files | 1,2,3 |
| Crass | https://github.com/rgrove/crass/ | yes | no | no | Command line use gem install | As this the installation is command line -working knowledge of using hte command line would be needed | This is a Ruby development tool so it accessible as long as the user knows Ruby  |
| Wave (Web-based ) | https://wave.webaim.org/ | yes | yes | 1,2,3 | Web-based, copy-paste URL | There is no installation process as it is a website, so the user would need to have working knowledge of navigating the web | This service to accessiable to screen reader  |
| Wave (browser plug-in) | https://wave.webaim.org/extension/ | no | no | 1,2,3 | Web extention installation  | The plug-in installation process is screen reader accessible | The plug-in service is accessible to screen reader.  |
| Accessibility Insights for Web | https://accessibilityinsights.io/docs/en/web/overview | no  | no | 1.2.3 | Chrome or Edge installation  | The fast pase installation process is accessible  | This tool’s usage is accessible to screen readers.   |
| PrettyCSS | <https://github.com/fidian/PrettyCSS> | yes | no | no | Use command line npm install or use git to install this tool | The installation is done on the commmandon line so it is accessible but using NPM install would require working knowledge of command line and node.js also need to be pre installed.  | This tool is a developer tool that works on the command line so it is accessible to screen reader |
| computed-variables | Link: <https://github.com/tomhodgins/computed-variables> | No | Yes | No | NPM Install | Requires command line familiarity | 1,2,3, and javascript familiarity |
| Computed Style to in-line Style  | https://github.com/lukehorvat/computed-style-to-inline-style | No | Yes | No | NPM Install  | Commandline use and HTML/CSS/JS coding knowledge | Testing is not completely accessible because it requires the requires the non screen reader accesible console  |
| Page Computed Style  | https://github.com/ncardeli/page-computed-style | no | yes | No  | Npm install  | Commandline, knowledge needed | 1,2,3 |
| CSS-Check | https://github.com/elifesciences/css-check | no | yes | no | Github clone to install  | Not very accessible: Requires phantomjs and a server to run CRON | 1,2,3 |
| JQuery computed-style plugin | https://github.com/jamierumbelow/jquery.computed-style | no | yes | no | Jquery  | Jquery knowldege needed  | 1,2,3, and jquery knlwledge and web development knowledge |