

Area	Comparison	Applitools	Aye Spy	Hermione	Needle	Vizregress	iOSSnapshotTestCase	VisualCeption	BackstopJS	Visual Regression Tracker	Galen Framework
Test creation	Test framework SDKs	Selenium webdriver, Appium, Cypress, WebDriverIO, Espresso, XCUIT	Selenium	Selenium-standalone, Mocha	Selenium, Nose	Selenium, AForge.Net	CocoaPods, Carthage, Swift Package Manager	Codeception, Imagick, WebDriver	Playwright, Puppeteer	Core SDK: Python, Java, JavaScript, Dotnet	Selenium Grid
	Browsers supported for visual testing	All major browsers (and their latest versions) including Chrome, Firefox, Safari, Edge	Mozilla Firefox, Google Chrome	Google Chrome (officially documented). Some other browsers may also be supported.	Firefox (default)	Google Chrome, Firefox are suggested	Undocumented	Firefox, Chrome, Safari	Chrome. BackstopJS facilitates screen rendering with Chrome Headless.	Undocumented	Firefox (default), Chrome, Edge
	Mobile devices supported without integration	Provides built-in device testing support for a large number of devices, including Android and iOS	Limited devices, mostly Android-based	Websites	CSS and visual elements of websites. Exact supported devices are unclear	Consistent OS is mandatory	iOS	Codeception is for PHP web apps	Websites	Platform independent	Web apps
Test validation	Testing technology	Ultrafast Test Cloud, Ultrafast Test Grid, Eyes uses Visual AI	Selenium WebDriver	WebDriverIO	PIL engine, PerceptualDiff, ImageMagick	Selenium WebDriver, SpecFlow	Defining a reference image directory to store images	Codeception uses Selenium WebDriver	backstop init, backstop test, and backstop approve	TestVariation (to store historical baseline records), Baseline, TestRun (outcome of image comparison), Project (list of Builds and TestVariation)	Page dump (for storing all test-related information with image specimens), Spec Generator, mutation testing
	Multi-user commenting	Yes	No	No	No	No	No	No	No	No	No
Test execution	Source code and CI/CD tools supported	Multiple CI/CD tools supported including Jenkins, Travis CI, CircleCI, Azure, GitLab	Not documented	Not documented	Not documented	Jenkins	Not documented	Codeception supports Jenkins, Gitlab CI, and Travis CI	BackstopJS can be easily integrated with CI tools	Jenkins	Compatible with CI/CD integrations
	Multi-baseline testing for A/B experimentation	Yes. With multi-baseline testing, users can define multiple baselines for the same test, each representing a different variant of an A/B test. When a test is run, Applitools will compare the actual results against all defined baselines, allowing users to easily see how the different variants of the application are performing visually.	No	Supports parallel testing but not multi-baseline testing	No	No	No	No	No	No	No
Test maintenance	Automated test maintenance	Yes. Applitools automates the following maintenance procedures: 1. Groups steps based on similar differences. 2. Unresolved inconsistencies are either accepted or rejected 3. Baseline areas are applied, modified, and deleted.	No	No	No	No	No	No	No	No	No
	Root cause analysis of visual bugs in the DOM	Bug diagnosis assisted by AI. Applitools RCA exposes CSS and DOM rule differences for visual regressions	No	No	No	WebDriver asserts DOM features	No	No	Compares DOM screenshots for responsive website interfaces	No	No