

Optimize website images

Deliver an appropriately sized image with a useful alternative.

THE FINISHED RESULT

The image remains clear at its intended size and does not cause a large layout jump while loading.

Before you start

Environment: HTML, CSS and JavaScript; Python local preview server

Access and plan: Text editor, modern browser and Python for local preview. Hosting and form-backend accounts are needed only for their corresponding lessons.

Practice project: Harbor Home Care

Use a separate demo project and fictional information. Record the exact project and version you use. Keep passwords, verification codes and private customer information out of screenshots and notes.

Official walkthroughs

[MDN: Learn web development](#)

[W3C: Developing for accessibility](#)

Open the credited publisher walkthrough for current interface instructions and available screenshots, then return to the SETLY exercise. External courses remain with their publishers; this PDF does not reproduce their complete tutorial.

Your practice task

Finish one action at a time. Inspect the resulting screen or record before moving on. If a control differs, check the matching official instructions instead of guessing.

01 / Step 1

Check the actual rendered width of the image area. Export a suitably sized copy in a browser-supported format and keep the source file.

Check: record what changed and confirm you are still working in the intended demo project.

02 / Step 2

Set width and height attributes so the browser can reserve space. Write alt text for the information conveyed by the image.

Check: record what changed and confirm you are still working in the intended demo project.

03 / Step 3

For below-the-fold images, consider loading=lazy. Keep the main visible image promptly loadable and avoid downloading an unnecessarily huge original.

Check: record what changed and confirm you are still working in the intended demo project.

04 / Step 4

Compare page loading with a throttled connection and inspect the image on a high-density screen. Record dimensions, file size and visible quality.

Check: record what changed and confirm you are still working in the intended demo project.

Test, troubleshoot, repeat.

If something goes wrong

If the image is stretched, restore its aspect ratio. If it becomes blurry, increase dimensions before increasing compression quality blindly.

If your screen is different

Compare the product, editor, user permissions and selected account with the guide. Open the official reference for your version. Do not perform a live change whose effect you cannot verify.

Final verification

The image remains clear at its intended size and does not cause a large layout jump while loading.

Repeat the task with one small variation. Record the test date, project/version, expected result, observed result and a non-sensitive evidence reference. Mark skipped checks as untested.

Your evidence record

Test date: _____ Project/version: _____

Observed result: _____

Evidence reference: _____

Remaining issue and next action: _____

Sources and guide status

Original exercise by Ray / SETLY. Credited technical references are linked on page one. Prepared 1 October 2026. SETLY screen recording and independent learner reproduction are not yet complete. No platform affiliation is implied.

[Open the online practice guide and editable checklist](#)