**What Are Responsive Images?**

Responsive images are images that automatically adjust their size, resolution, or layout based on the device's screen size, resolution (like Retina displays), or browser window.

In simple words: One image — looks perfect on all devices!

**Why Use Responsive Images?**

* **Flexibility:** Images resize to fit different screen sizes.
* **Faster Loading:** Serve smaller images on mobile to improve performance.
* **Better Visual Quality:** High-res versions for retina or 4K screens.
* **Improves UX:** Keeps design neat and consistent across devices.

**How to Make Images Responsive in HTML/CSS**

**1. Using CSS (Most Common)**

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| --- |
| img {  max-width: 100%;  height: auto;  } |

**2. Using HTML srcset Attribute (Responsive Sizes)**

|  |
| --- |
| <img  src="small.jpg"  srcset="small.jpg 480w, medium.jpg 768w, large.jpg 1200w"  sizes="(max-width: 600px) 100vw, 50vw"  alt="Example Image"> |

**3. Using the <picture> Element (Art Direction)**

|  |
| --- |
| <picture>  <source media="(max-width: 600px)" srcset="image-mobile.jpg">  <source media="(min-width: 601px)" srcset="image-desktop.jpg">  <img src="fallback.jpg" alt="Responsive image">  </picture> |