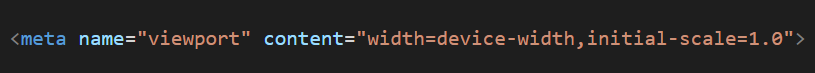
**Responsive Web Design Guidelines**

1. **<meta> element:**

Use <meta> element in the <head> of the web page with content attribute set to content="width=device-width,initial-scale=1.0".

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There are two values, separated by commas.

The first one is width=device-width. This tells the browser to assume the width of the website is the same as the width of the device (instead of assuming the width of the website is 980 pixels).

The second value is initial-scale=1. This tells the browser how much or how little scaling to do.

1. **Media queries:**

Adapt your designs to different screen sizes using CSS media queries.

1. **CSS Units:**

CSS units come into a few different flavors:

* + 1. Absolute units: Pixels(px), pt, cm, mm, in, etc.
    2. Relative units:
       1. There are two types of relative units:
          1. Relative to font-size: rem/em
          2. Relative to viewport: vw, vh, vmin, vmax
    3. Percentage:
       1. Relative to their parent.
       2. Mainly used for widths

Try to make use of relative and percentage units as much as possible

1. **Container Layouts:**

Grid:

CSS Grid Layout provides a two dimensional layout system, controlling layout in rows and columns.

Flexbox:

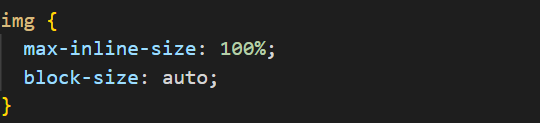
Flexbox is a layout mechanism designed for laying out groups of items in one dimension.

By applying some smart rules in flexbox or grid, it's possible to design dynamic macro**1** layouts with minimal CSS and without any media queries. That's less work for you—you're making the browser do the calculations instead.

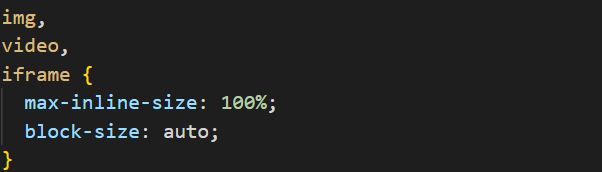
**1**Macro layouts describe the larger, page-wide organization of your interface

1. **Responsive images:**

Text on the web automatically wraps at the edge of the screen so that it doesn't overflow. It's different with images. Images have an intrinsic size. If an image is wider than the screen, the image will overflow, causing a horizontal scrollbar to appear.



We can apply the same rule to other kinds of embedded content too, like videos and iframes.



With that rule in place, browsers will automatically scale down images to fit on the screen.

Adding a [block-size](https://developer.mozilla.org/docs/Web/CSS/block-size) value of auto means that the aspect-ratio of the images will remain constant