⚡ AMP HTML Cheat Sheet

Important ⚠️

Define AMP page location on Desktop site

```
<link rel="amphtml"
href="https://htmlcheatsheet.com/m/">
```

Link back to Desktop from AMP

```
<link rel="canonical"
href="https://htmlcheatsheet.com/">
```

Image tag

```
<amp-img src="/m/cheatsheet.jpg" alt="Cheat
Sheet" layout="responsive" height="200"
width="300"></amp-img>
```

Keep in mind!

- Don't use **!important** CSS
- **https://** highly recommended
- No custom .JS files
- Only 50Kb inline style allowed in *<style amp-custom> </style>*

Common attributes

fallback, heights, layout, media, noloading, on, placeholder, sizes, width and height

Useful Links 🔗

Video 📺

Include

```
<script async custom-element="amp-video"
src="https://cdn.ampproject.org/v0/amp-video-
0.1.js"></script>
```

Example

```
<amp-video controls
  width="600"
  height="400"
  layout="responsive"
  poster="geekprank.png">
  <source src="geekprank.webm"
    type="video/webm" />
  <source src="geekprank.mp4"
    type="video/mp4" />
  <div fallback>
    <p>Video element not supported.</p>
  </div>
</amp-video>
```

Attributes

Hello World 👶

```
<!doctype html>
<html amp lang="en">
  <head>
    <meta charset="utf-8">
    <script async src="https://cdn.ampproject.org,
    <title>Hello World!</title>
    <link rel="canonical" href="https://htmlcheats
    <meta name="viewport" content="width=device-w:
    <script type="application/ld+json">
    {
      "@context": "http://schema.org",
      "@type": "NewsArticle",
      "headline": "Hello World",
      "datePublished": "2018-08-08T12:02:41Z",
      "image": [
        "logo.jpg"
      ]
    }
    </script>
    <style amp-boilerplate>body{-webkit-animation
    <style amp-custom>
      p {
        margin: 1em;
      }
    </style>
  </head>
  <body>
    <h1>Hello World</h1>
  </body>
</html>
```
Simple AMP Template

Images 🖼️

Basic syntax

```
<amp-img src="/m/cheatsheet.jpg" alt="Cheat
Sheet" height="200" width="300"></amp-img>
```

Responsiveness

```
<amp-img
  src="/narrow.jpg"
  srcset="/wide.jpg 640w,
    /narrow.jpg 320w"
  width="1200"
  height="800"
  layout="responsive"
  alt="demo image">
</amp-img>
```

Layout types

- *nodisplay* – works like display: none style.
- *fixed* – fixed width & height
- *responsive* – fills container automatically to aspec ratio
- *fixed-height* – keeps the specified height unchang
- *fill* – fills available height & width
- *container* – lets its children define its size, like a normal *div*
- *flex-item* – works like display:flex style
- *intrinsic* – responsive until it reaches its height an width

src, poster, autoplay, controls, controlsList, loop, crossorigin, disableremoteplayback, noaudio, rotate-to-fullscreen

artwork, artist, album, title

Youtube Video

```
<script async custom-element="amp-youtube"
src="https://cdn.ampproject.org/v0/amp-youtube-
0.1.js"></script>
```

```
<amp-youtube
  data-videoid="VeeFwwAz7no"
  layout="responsive"
  width="480" height="270"></amp-youtube>
```

Actions, events 🎛

Syntax

```
eventName:targetId[.methodName[(arg1=value,
arg2=value)]]
```

Example

```
on="submit-success:lightbox1;submit-
error:lightbox2"
```

```
<div id="cookie-consent">The site is using
Cookies!</div>
<button on="tap:cookie-consent.hide">OK, I
understand!</button>
```

Events

- **show, hide** – shows/hides the target element
- **toggleVisibility, toggleClass**
- **scrollTo(duration=INTEGER, position=STRING)** –
- **focus** – make the target element gain focus
- **open** – opens the amp-image-lightbox with the source image being the one that triggered the action
- **close** – closes the lightbox
- **change** – on input & select
- **input-debounced** – 300ms passed since an input value change
- **input-throttled** – change event fired maximum once every 100ms
- **tap** – click or tap
- **slideChange** – amp-carousel[type="slides"]
- **toggleAutoplay** – amp-carousel[type="slides"]
- **goToSlide(index=INTEGER)** – advance the carousel to the index
- **lightboxOpen** – amp-lightbox fully visible
- **lightboxClose** – amp-lightbox fully closed
- **sidebarOpen** – amp-sidebar fully open
- **sidebarClose** – amp-sidebar fully closed
- **play, pause, mute, unmute, fullscreen** – video controls
- **firstPlay** – first user interaction with video
- **timeUpdate** – video playing position changed
- **submit** – form is submitted
- **clear** – clears values in the inputs
- **submit-error** – form submission response is an error
- **play, pause** – controls amp-audio
- **refresh** – refreshes data from the src and re-renders the amp-list
- **selectUp(delta=INTEGER), selectDown(delta)** – moves the amp-selector up/down by a value
- **open, close, toggle** – amp-sidebar controls
- **navigateTo(url)**
- **goBack** – go back in history
- **print** – Opens the Print Dialog

amp-bind

```
<script async custom-element="amp-bind"
src="https://cdn.ampproject.org/v0/amp-bind-
0.1.js"></script>
```

CSS media queries

```
@media screen and (max-width: 720px) {
  p { font-size: 0.9em; }
}
```

Element media queries:

```
<amp-img
  media="(min-width: 720px)"
  src="demo.jpg"
  width=300
  height=200
  layout="responsive">
</amp-img>
```

Placeholder

Shows a placeholder while the element is being loaded:

```
<amp-anim src="animation.gif"
   layout="responsive"
   width="300"
   height="200">
   <amp-img placeholder
     src="demo.jpg"
     layout="fill">
   </amp-img>
</amp-anim>
```

Fallback

When an element is not supported:

```
<amp-img alt="Demo"
  width="300"
  height="200"
  layout="responsive"
  src="videofile.webp">
  <amp-img alt="Demo"
   fallback
   width="300"
   height="200"
   layout="responsive"
     src="image.jpg"></amp-img>
</amp-img>
```

Hide loading indicator

noloading

Google Analytics ☑

Include

```
<script async custom-element="amp-analytics"
src="https://cdn.ampproject.org/v0/amp-
analytics-0.1.js"></script>
```

Replace UA-XXXXXXXX-1 with your code

```
<amp-analytics type="googleanalytics">
<script type="application/json">
{
  "vars": {
    "account": "UA-XXXXXXXX-1"
  },
  "triggers": {
    "trackPageview": {
    "on": "visible",
    "request": "pageview"
    }
  }
}
```

AdSense 💰

Include

Button changes 'World' to 'John':
```
<p [text]="'Hello ' + str">Hello World</p>
<button on="tap:AMP.setState({str: 'John'})">
```

amp-state

Initialize state:
```
<amp-state id="thisState">
  <script type="application/json">
    {
      "foo": "bar"
    }
  </script>
</amp-state>
```

```
thisState.foo == "bar"
```

Update state with AMP.setState()
```
<button on="tap:AMP.setState({foo: 'bar', baz:
myAmpState.someVariable})"></button>
```

```
<input type="range"
on="change:AMP.setState({myRangeValue:
event.value})">
```

AMP.pushState
```
<button on="tap:AMP.pushState({foo: '123'})">Set
'foo' to 123</button>
```

Facebook like 👍

Include
```
<script async custom-element="amp-facebook-like"
src="https://cdn.ampproject.org/v0/amp-facebook-
like-0.1.js"></script>
```

Code
```
<amp-facebook-like width=90 height=20
  layout="fixed"
  data-layout="button_count"
  data-
href="https://www.facebook.com/htmlcoding/">
</amp-facebook-like>
```

Facebook comments 💬

Include
```
<script async custom-element="amp-facebook-
comments"
src="https://cdn.ampproject.org/v0/amp-facebook-
comments-0.1.js"></script>
```

Code
```
<amp-facebook-comments width="300"
  height="350"
  layout="responsive"
  data-numposts="5"
  data-colorscheme="dark"
  data-locale="es_ES"
  data-order-by="time"
  data-href="https://htmlcheatsheet.com/">
</amp-facebook-comments>
```

Social share buttons 📡

Include
```
<script async custom-element="amp-social-share"
src="https://cdn.ampproject.org/v0/amp-social-
share-0.1.js"></script>
```

Code
```
<amp-social-share type="facebook" width="30"
height="30"
  data-param-text="HTML Cheat Sheet"
```

```
<script async custom-element="amp-auto-ads"
src="https://cdn.ampproject.org/v0/amp-auto-ad
0.1.js"></script>
```

After the opening body tag, add your ID.
```
<amp-auto-ads type="adsense" data-ad-client="
pub-XXXXXXXXXXXXXXX"></amp-auto-ads>
```

Sidebar ☰

Include
```
<script async custom-element="amp-sidebar"
src="https://cdn.ampproject.org/v0/amp-sideba
0.1.js"></script>
```

Custom CSS:
```
.sidebar {padding: 10px;margin: 0;color:
#FFF;font-weight:bold;}
#sidebar1{background: #CE5937;}
.sidebar > li {list-style: none;margin-
bottom:10px;}
.sidebar a {text-decoration: none;color: #FFF
.close-sidebar {font-size: 1.5em;padding: 5px
15px;cursor: pointer;color: #FFFFFF;}
.headerbar {background: #CE5937;color:
#FFF;line-height: 30px;position: fixed;top:
0;left: 0;right: 0;height: 40px;z-index: 1000
.headerbar a {text-decoration: none;color:
#FFF;}
```

amp-sidebar
```
<header class="headerbar">
    <div role="button" on="tap:sidebar1.toggle
tabindex="0" class="hamburger">☰</div>
    <a href="/" class="site-name">MySite</a>
</header>
<amp-sidebar id="sidebar1" layout="nodisplay"
side="left">
    <div role="button" aria-label="close sideba
on="tap:sidebar1.toggle" tabindex="0"
class="close-sidebar">✕</div>
    <ul class="sidebar">
        <li><a
href="https://htmlg.com/">Editor</a></li>
        <li><a href="https://html5-
templates.com/">Templates</a></li>
        <li><a
href="https://htmlcheatsheet.com/">Cheat
Sheet</a></li>
    </ul>
</amp-sidebar>
```

iFrame 🖼

Include
```
<script async custom-element="amp-iframe"
src="https://cdn.ampproject.org/v0/amp-iframe
0.1.js"></script>
```

Use it for Google Maps or anything else
```
<amp-iframe width="400"
  title="Collection of HTML codes"
  height="300"
  layout="responsive"
  sandbox="allow-scripts allow-same-origin
allow-popups"
  allowfullscreen
  frameborder="0"
  src="https://htmlcheatsheet.com/">
  <amp-img layout="fill"
    src="/placeholder.jpg"
    placeholder></amp-img>
</amp-iframe>
```

```
    data-param-url="https://htmlcheatsheet.com">
</amp-social-share>
<amp-social-share type="twitter" width="30"
height="30"
    data-param-text="HTML Cheat Sheet"
    data-param-url="https://htmlcheatsheet.com">
</amp-social-share>
<amp-social-share type="gplus" width="30"
height="30"
    data-param-text="HTML Cheat Sheet"
    data-param-url="https://htmlcheatsheet.com">
</amp-social-share>
```

Carousel 🧩

Include

```
<script async custom-element="amp-carousel"
src="https://cdn.ampproject.org/v0/amp-carousel-
0.1.js"></script>
```

Code

```
<amp-carousel width="300"
    height="200"
    layout="responsive"
    type="slides">
    <amp-img src="/img1.jpg"
        width="300"
        height="200"
        layout="responsive"
        alt="a demo image"></amp-img>
    <amp-img src="/img2.jpg"
        width="300"
        height="200"
        layout="responsive"
        alt="another cool image"></amp-img>
    <amp-img src="/img3.jpg"
        width="300"
        height="200"
        layout="responsive"
        alt="and the last one"></amp-img>
</amp-carousel>
```

Accordion menu 🗺

Include

```
<script async custom-element="amp-accordion"
src="https://cdn.ampproject.org/v0/amp-
accordion-0.1.js"></script>
```

Example

```
<amp-accordion>
    <section expanded>
        <h4>Title 1</h4>
        <p>Add any text.</p>
    </section>
    <section>
        <h4>Title 2</h4>
        <div>Add any <strong>HTML</strong>
content.</div>
    </section>
    <section>
        <h4>Title 3</h4>
        <figure>
            <amp-img src="/demo.jpg"
                width="400"
                height="200"
                layout="responsive"
                alt="description"></amp-img>
            <figcaption>This is an
image</figcaption>
        </figure>
    </section>
</amp-accordion>
```