#### CSS ALMANAC → PROPERTIES → F →



**Chris Coyier** 

Apr 17, 2013

Sep 30, 2022

The flex-wrap property is a sub-property of the Flexible Box Layout Module (https://csstricks.com/snippets/css/a-guide-to-flexbox/). It defines whether the flex items are forced in a single line or can be flowed into multiple lines. If set to multiple lines, it also defines the cross-axis which determines the direction new lines are stacked in, aiding responsiveness layout behavior (https://www.digitalocean.com/community/tutorials/css-improveresponsiveness-flex-wrap?utm\_medium=content\_acq&utm\_source=csstricks&utm\_campaign=&utm\_content=awareness\_bestsellers) without CSS media queries. .flex-container { flex-wrap: wrap; Reminder: The cross axis is the axis perpendicular to the main axis. Its direction depends on the main axis direction. ု (#aa-syntax) Syntax flex-wrap: nowrap | wrap | wrap-reverse • Initial value: nowrap **Applies to:** flex containers Inherited: no Computed value: as specified Animation type: discrete ୍ତ (#aa-values) Values

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```
flex-wrap: nowrap; /* Default value */
flex-wrap: wrap;
flex-wrap: wrap-reverse;

/* Global values */
flex-wrap: inherit;
flex-wrap: initial;
flex-wrap: revert;
flex-wrap: revert;
flex-wrap: revert-layer;
flex-wrap: unset;
```

- nowrap (default): single-line which may cause the container to overflow
- wrap: multi-lines, direction is defined by flex-direction
- wrap-reverse: multi-lines, opposite to direction defined by flex-direction

# (#aa-demo) Demo

In the following demo:

- The red list is set to nowrap
- The yellow list is set to wrap
- The blue list is set to wrap-reverse

#### Embedded Pen Here

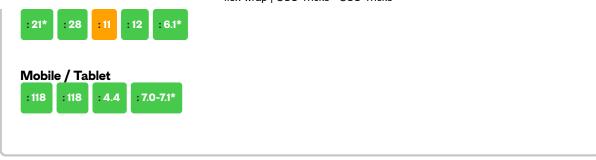
Hey!

The flex-direction is set to the default value: row.

# (#aa-browser-support) Browser support

This browser support data is from Caniuse (http://caniuse.com/#feat=flexbox), which has more detail. A number indicates that browser supports the feature at that version and up.

#### **Desktop**



For more informations about how to mix syntaxes in order to get the best browser support, please refer to our article on "Using Flexbox" (https://css-tricks.com/using-flexbox/).

## (#aa-related-guides) Related guides

```
Snippet on Dec 9, 2022
A Complete Guide to Flexbox
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tricks.com/snippets/css/a-guide-to-
flexbox/)
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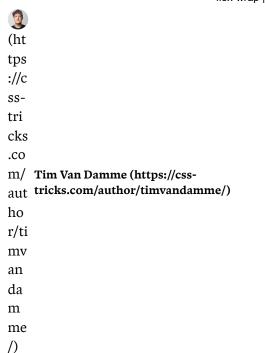
## (#aa-related-tricks) Related tricks

Article on Oct 3, 2019

Adaptive Photo Layout with Flexbox (https://css-tricks.com/adaptive-photo-layout-with-flexbox/)

Article on Mar 10, 2014

Filling the Space in the Last Row with Flexbox (https://css-tricks.com/filling-space-last-row-flexbox/)



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Article on Nov 17, 2014

Flexbox Nav Bar with Fixed, Variable, and Take-Up-The-Rest Elements (https://css-tricks.com/flexbox-navbar-fixed-variable-take-restelements/)



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Article on Jul 6, 2023

Responsive Layouts, Fewer Media Queries (https://csstricks.com/responsive-layouts-fewermedia-queries/)



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Article on Feb 19, 2016

**Useful Flexbox Technique: Alignment** Shifting Wrapping (https://csstricks.com/useful-flexbox-techniquealignment-shifting-wrapping/)

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## e (#aa-other-resources) Other resources

- CSS Flexible Box Module Level 1 (http://www.w3.org/TR/css3-flexbox/#flex-wrap) (W3C)
- flex-wrap (https://developer.mozilla.org/en-US/docs/CSS/flex-wrap) (MDN)
- Improve Responsiveness With flex-wrap in CSS
  (https://www.digitalocean.com/community/tutorials/css-improve-responsiveness-flex-wrap?utm\_medium=content\_acq&utm\_source=css-tricks&utm\_campaign=&utm\_content=awareness\_bestsellers) (DigitalOcean)

## Related

```
Almanac on Oct 15, 2021

display (https://css-
tricks.com/almanac/properties/d/display/)

.element { display: inline-block; }
(https://css-
tricks.com/almanac/properties/d/display/)
```

```
Almanac on Jul 28, 2021

align-content (https://css-
tricks.com/almanac/properties/a/align-
content/)

.element { align-content: space-around; }
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Almanac on Sep 28, 2022

### align-items (https://csstricks.com/almanac/properties/a/alignitems/)

```
.element { align-items: flex-start; }
(https://css-
tricks.com/almanac/properties/a/align-items/)
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Almanac on Aug 4, 2021

# flex-direction (https://css-tricks.com/almanac/properties/f/flex-direction/)

```
.element { flex-direction: column-reverse; }
(https://css-
tricks.com/almanac/properties/f/flex-
direction/)
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Almanac on Aug 4, 2021

## flex-flow (https://csstricks.com/almanac/properties/f/flexflow/)

```
.element { flex-flow: row wrap; } (https://css-
```

flex-grow (https://css-

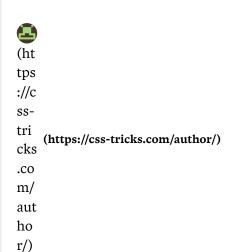
Almanac on Aug 4, 2021

tricks.com/almanac/properties/f/flex-grow/)

```
.flex-item { flex-grow: 2; } (https://css-
```

tricks.com/almanac/properties/f/flex-flow/)

tricks.com/almanac/properties/f/flex-grow/)



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Almanac on Aug 4, 2021

flex-shrink (https://csstricks.com/almanac/properties/f/flexshrink/)

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.element { flex-shrink: 2; } (https://css-
tricks.com/almanac/properties/f/flex-shrink/)
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