



Chris Coyier

Apr 17, 2013

Sep 30, 2022

PROPERTIES

> A
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SELECTORS

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The `flex-wrap` property is a sub-property of the [Flexible Box Layout Module](https://css-tricks.com/snippets/css/a-guide-to-flexbox/) (<https://css-tricks.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-improve-responsiveness-flex-wrap?utm_medium=content_acq&utm_source=css-tricks&utm_campaign=&utm_content=awareness_best sellers) (https://www.digitalocean.com/community/tutorials/css-improve-responsiveness-flex-wrap?utm_medium=content_acq&utm_source=css-tricks&utm_campaign=&utm_content=awareness_best sellers) without CSS media queries.

```
.flex-container {  
  flex-wrap: wrap;  
}
```

CSS

Hey!

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`

CSS

- **Initial value:** nowrap
- **Applies to:** flex containers
- **Inherited:** no
- **Computed value:** as specified
- **Animation type:** discrete

(#aa-values) Values

```

> R
> S
> T
> U
> V
> W

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-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

:21* :28 :11 :12 :6.1*

Mobile / Tablet

:118 :118 :4.4 :7.0-7.1*

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
(<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>)



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Chris Coyier (<https://css-tricks.com/author/chriscoyier/>)

(#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-nav-bar-fixed-variable-take-rest-elements/>)



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Article on Jul 6, 2023

Responsive Layouts, Fewer Media Queries (<https://css-tricks.com/responsive-layouts-fewer-media-queries/>)



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Article on Feb 19, 2016

Useful Flexbox Technique: Alignment Shifting Wrapping (<https://css-tricks.com/useful-flexbox-technique-alignment-shifting-wrapping/>)



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[\(#aa-other-resources\)](#) Other resources

- [CSS Flexible Box Module Level 1](http://www.w3.org/TR/css3-flexbox/#flex-wrap) (<http://www.w3.org/TR/css3-flexbox/#flex-wrap>) (W3C)
- [flex-wrap](https://developer.mozilla.org/en-US/docs/CSS/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_best sellers) (https://www.digitalocean.com/community/tutorials/css-improve-responsiveness-flex-wrap?utm_medium=content_acq&utm_source=css-tricks&utm_campaign=&utm_content=awareness_best sellers) (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; }
(https://css-tricks.com/almanac/properties/a/align-content/)
```



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Almanac on Sep 28, 2022

align-items (<https://css-tricks.com/almanac/properties/a/align-items/>)

```
.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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(<https://css-tricks.com/author/>)

Almanac on Aug 4, 2021

flex-flow (<https://css-tricks.com/almanac/properties/f/flex-flow/>)

```
.element { flex-flow: row wrap; } (https://css-tricks.com/almanac/properties/f/flex-wrap/)
```

Almanac on Aug 4, 2021

flex-grow (<https://css-tricks.com/almanac/properties/f/flex-grow/>)

```
.flex-item { flex-grow: 2; } (https://css-tricks.com/almanac/properties/f/flex-grow/)
```

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



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Almanac on Aug 4, 2021

flex-shrink (<https://css-tricks.com/almanac/properties/f/flex-shrink/>)

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



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