

# <https://developer.mozilla.org/en-US/docs/Web/CSS/touch-action>

## Summary

The **touch-action** CSS property specifies whether, and in what ways, a given region can be manipulated by the user (for instance, by panning or zooming).

### [Initial value](#)

auto

Applies to

all elements except: non-replaced inline elements, table rows, row groups, table columns, and column groups

### [Inherited](#)

no

Media

visual

### [Computed value](#)

as specified

Animation type

discrete

Canonical order

the unique non-ambiguous order defined by the formal grammar

## Syntax

```
/* Keyword values */
touch-action: auto;
touch-action: none;
touch-action: pan-x;
touch-action: pan-left;
touch-action: pan-right;
touch-action: pan-y;
touch-action: pan-up;
touch-action: pan-down;
touch-action: manipulation;

/* Global values */
touch-action: inherit;
touch-action: initial;
touch-action: unset;
```

## Values

### auto

The user agent may determine any permitted touch behaviors, such as panning and zooming manipulations of the viewport, for touches that begin on the element.

### none

Use this value to disable all of the default behaviors and allow your content to handle all touch input (touches that begin on the element must not trigger default touch behaviors).

### pan-x

The user agent may consider touches that begin on the element only for the purposes of horizontally scrolling the element's nearest ancestor with horizontally scrollable content.

### pan-y

The user agent may consider touches that begin on the element only for the purposes of vertically scrolling the element's nearest ancestor with vertically scrollable content.

### manipulation

The user agent may consider touches that begin on the element only for the purposes of scrolling and continuous zooming. Any additional behaviors supported by auto are out of scope for this specification.

### This is an experimental technology

Because this technology's specification has not stabilized, check the [compatibility table](#) for usage in various browsers. Also note that the syntax and behavior of an experimental technology is subject to change in future versions of browsers as the specification changes.

The following property values have *not* yet been formally standardized. They are specified in the [Pointer Events – Level 2](#) Editor's Draft specification and not in Pointer Events Recommendation. These property values are not widely implemented.

### pan-left, pan-right

The user agent may consider touches that begin on the element only for the purposes of horizontally scrolling the element's nearest ancestor with horizontally scrollable content.

### pan-up, pan-down

The user agent may consider touches that begin on the element only for the purposes of vertically scrolling the element's nearest ancestor with vertically scrollable content.

## Formal syntax

[How to read CSS syntax.](#)

```
auto | none | | | pan-x | pan-left | pan-right | || | pan-y | pan-up | pan-down  
| | | manipulation
```

## Example

```
.list {  
  width: 200px;  
  height: 50px;
```

```

overflow-x: scroll;
}

.list > .entry {
  touch-action: pan-x;
}

```

## Specifications

Specification	Status	Comment
<a href="#">Pointer Events – Level 2</a> <a href="#">The definition of 'touch-action' in that specification.</a>	Editor's Draft	Added property values pan-left, pan-right, pan-up, pan-down
<a href="#">Pointer Events</a> <a href="#">The definition of 'touch-action' in that specification.</a>	Recommendation	Initial definition

## Browser compatibility

- Desktop
- Mobile

Feature	Chrome	Edge	Firefox (Gecko)	Internet Explorer	Opera	Safari
Basic support	36.0	(Yes)	No support <sup>[1]</sup>	10.0- <a href="#">ms</a> <sup>[2]</sup> 11.0	26.0	No support <sup>[4]</sup>

[1] Starting in Firefox 29, this property is implemented in Firefox, but is hidden behind the `layout.css.touch_action.enabled` preference. Starting in Firefox Nightly 50, it is enabled by default when running in nightly builds only; no decision has been made on when it will make its way along toward release.

[2] IE10+ additionally supports the non-standard values [pinch-zoom](#), [double-tap-zoom](#), [cross-slide-x](#) and [cross-slide-y](#).

[3] [Only supports the manipulation and auto values in iOS.](#)

[4] See [WebKit bug 133112](#).