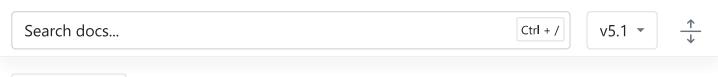
There's a newer version of Bootstrap!



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Background

Convey meaning through **background-color** and add decoration with gradients.



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Background color

Similar to the contextual text color classes, set the background of an element to any contextual class. Background utilities **do not set color**, so in some cases you'll want to use .text-* color utilities.

```
.bg-primary
.bg-secondary
.bg-success
.bg-danger
.bg-warning
.bg-info
.bg-light
.bg-dark
.bg-body
.bg-white
.bg-transparent
```

```
<div class="p-3 mb-2 bg-primary text-white">.bg-primary</div>
<div class="p-3 mb-2 bg-secondary text-white">.bg-secondary</div>
<div class="p-3 mb-2 bg-success text-white">.bg-success</div>
<div class="p-3 mb-2 bg-danger text-white">.bg-danger</div>
<div class="p-3 mb-2 bg-warning text-dark">.bg-warning</div>
<div class="p-3 mb-2 bg-info text-dark">.bg-info</div>
<div class="p-3 mb-2 bg-light text-dark">.bg-light</div>
<div class="p-3 mb-2 bg-dark text-white">.bg-light</div>
<div class="p-3 mb-2 bg-dark text-white">.bg-dark</div>
<div class="p-3 mb-2 bg-body text-dark">.bg-body</div>
<div class="p-3 mb-2 bg-white text-dark">.bg-white</div>
<div class="p-3 mb-2 bg-white text-dark">.bg-white</div>
<div class="p-3 mb-2 bg-white text-dark">.bg-white</div>
<div class="p-3 mb-2 bg-white text-dark">.bg-white</div></div></div</tr>
```

Background gradient

By adding a .bg-gradient class, a linear gradient is added as background image to the backgrounds. This gradient starts with a semi-transparent white which fades out to the bottom.

Do you need a gradient in your custom CSS? Just add background-image: var(--bs-gradient);.

```
.bg-secondary.bg-gradient
.bg-success.bg-gradient
.bg-danger.bg-gradient
.bg-warning.bg-gradient
.bg-info.bg-gradient
.bg-light.bg-gradient
.bg-dark.bg-gradient
```

Opacity

Added in v5.1.0

As of v5.1.0, background-color utilities are generated with Sass using CSS variables. This allows for real-time color changes without compilation and dynamic alpha transparency changes.

How it works

Consider our default .bg-success utility.

```
.bg-success {
   --bs-bg-opacity: 1;
   background-color: rgba(var(--bs-success-rgb), var(--bs-bg-opacity)) !important;
```

```
18/12/23, 18:29
```

We use an RGB version of our --bs-success (with the value of 25, 135, 84) CSS variable and attached a second CSS variable, --bs-bg-opacity, for the alpha transparency (with a default value 1 thanks to a local CSS variable). That means anytime you use .bg-success now, your computed color value is rgba(25, 135, 84, 1). The local CSS variable inside each .bg-* class avoids inheritance issues so nested instances of the utilities don't automatically have a modified alpha transparency.

Example

To change that opacity, override --bs-bg-opacity via custom styles or inline styles.

This is default success background

This is 50% opacity success background

```
<div class="bg-success p-2 text-white">This is default success background</div>
<div class="bg-success p-2" style="--bs-bg-opacity: .5;">This is 50% opacity success
```

Or, choose from any of the .bg-opacity utilities:

This is default success background

This is 75% opacity success background

This is 50% opacity success background

This is 25% opacity success background

This is 10% opacity success background

```
<div class="bg-success p-2 text-white">This is default success background</div>
<div class="bg-success p-2 text-white bg-opacity-75">This is 75% opacity success bac
<div class="bg-success p-2 text-dark bg-opacity-50">This is 50% opacity success back
<div class="bg-success p-2 text-dark bg-opacity-25">This is 25% opacity success back
<div class="bg-success p-2 text-dark bg-opacity-10">This is 10% opacity success back
```

Sass

In addition to the following Sass functionality, consider reading about our included <u>CSS custom</u> <u>properties</u> (aka CSS variables) for colors and more.

Variables

Most background-color utilities are generated by our theme colors, reassigned from our generic color palette variables.

```
$blue:
          #0d6efd;
$indigo: #6610f2;
$purple: #6f42c1;
$pink:
          #d63384;
$red:
          #dc3545;
$orange: #fd7e14;
$yellow: #ffc107;
$green:
          #198754;
$teal:
          #20c997;
$cyan:
          #0dcaf0;
$primary:
                $blue;
$secondary:
                $gray-600;
$success:
                $green;
$info:
                $cyan;
$warning:
                $yellow;
$danger:
                $red;
$light:
                $gray-100;
$dark:
                $gray-900;
```

Grayscale colors are also available, but only a subset are used to generate any utilities.

\$gradient: linear-gradient(180deg, rgba(\$white, .15), rgba(\$white, 0));

```
$white: #fff;
$gray-100: #f8f9fa;
$gray-200: #e9ecef;
$gray-300: #dee2e6;
$gray-400: #ced4da;
$gray-500: #adb5bd;
$gray-600: #6c757d;
```

```
$gray-700: #495057;
$gray-800: #343a40;
$gray-900: #212529;
$black: #000;
```

Map

Theme colors are then put into a Sass map so we can loop over them to generate our utilities, component modifiers, and more.

Grayscale colors are also available as a Sass map. This map is not used to generate any utilities.

```
$grays: (
   "100": $gray-100,
   "200": $gray-200,
   "300": $gray-300,
   "400": $gray-400,
   "500": $gray-500,
   "600": $gray-600,
   "700": $gray-700,
   "800": $gray-900
);
```

RGB colors are generated from a separate Sass map:

```
$theme-colors-rgb: map-loop($theme-colors, to-rgb, "$value");
```

And background color opacities build on that with their own map that's consumed by the utilities API:

```
$utilities-bg: map-merge(
    $utilities-colors,
    (
       "black": to-rgb($black),
       "white": to-rgb($white),
       "body": to-rgb($body-bg)
    )
);
$utilities-bg-colors: map-loop($utilities-bg, rgba-css-var, "$key", "bg");
```

Mixins

No mixins are used to generate our background utilities, but we do have some additional mixins for other situations where you'd like to create your own gradients.

```
@mixin gradient-bg($color: null) {
  background-color: $color;
 @if $enable-gradients {
    background-image: var(--#{$variable-prefix}gradient);
 }
}
// Horizontal gradient, from left to right
// Creates two color stops, start and end, by specifying a color and position for ea
@mixin gradient-x($start-color: $gray-700, $end-color: $gray-800, $start-percent: 0%
 background-image: linear-gradient(to right, $start-color $start-percent, $end-colo
}
// Vertical gradient, from top to bottom
//
// Creates two color stops, start and end, by specifying a color and position for ea
@mixin gradient-y($start-color: $gray-700, $end-color: $gray-800, $start-percent: nu
 background-image: linear-gradient(to bottom, $start-color $start-percent, $end-col
}
@mixin gradient-directional($start-color: $gray-700, $end-color: $gray-800, $deg: 45
  background-image: linear-gradient($deg, $start-color, $end-color);
}
@mixin gradient-x-three-colors($start-color: $blue, $mid-color: $purple, $color-stop
  background-image: linear-gradient(to right, $start-color, $mid-color $color-stop,
```

```
@mixin gradient-y-three-colors($start-color: $blue, $mid-color: $purple, $color-stop
   background-image: linear-gradient($start-color, $mid-color $color-stop, $end-color
}

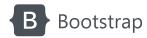
@mixin gradient-radial($inner-color: $gray-700, $outer-color: $gray-800) {
   background-image: radial-gradient(circle, $inner-color, $outer-color);
}

@mixin gradient-striped($color: rgba($white, .15), $angle: 45deg) {
   background-image: linear-gradient($angle, $color 25%, transparent 25%, transparent
```

Utilities API

Background utilities are declared in our utilities API in scss/_utilities.scss. <u>Learn how to use the utilities API</u>.

```
"background-color": (
  property: background-color,
  class: bg,
  local-vars: (
    "bg-opacity": 1
  ),
  values: map-merge(
    $utilities-bg-colors,
      "transparent": transparent
  )
),
"bg-opacity": (
  css-var: true,
  class: bg-opacity,
 values: (
   10: .1,
    25: .25,
    50: .5,
   75: .75,
    100: 1
  )
),
```



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Currently v5.1.3.

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