

# Converting Colors

Hex(5BB085)

Have a look what the booklet for  
Hex(5BB085) contains.

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**Color**

**Hex(5BB085)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BB085
RGB	91, 176, 133
RGB Percent	36%, 69%, 52%
CMY	0.6431, 0.3098, 0.4784
CMYK	0.48, 0.00, 0.24, 0.31
HSL	150°, 35%, 52%
HSV	150°, 48%, 69%
XYZ	24.0734, 34.9683, 27.6711
YIQ	145.6830, -36.8570, -31.3930

# Conversions

## Conversions Part 2

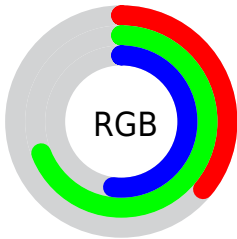
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 148, 176
Decimal	6008965
CIELab	65.72, -35.91, 14.22
CIELCh	66, 38.621, 158.395
Yxy	34.9683, 0.2776, 0.4033
Android (android.graphics.Color)	4284199045 (0xFF5BB085)
YUV	145.6830, -6.2527, -47.9570
Hunter-Lab	59.1340, -30.8174, 13.6497

# Details

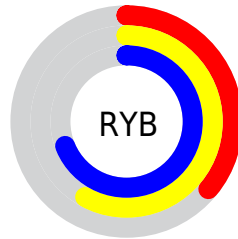
The Hex color **5BB085** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **B05B86**, and the grayscale version is **929292**.

A 20% lighter version of the original color is **92E8BA**, and **217B53** is the 20% darker color. If you saturate the color by 10%, you get **49B07C**, and if you desaturate by 10%, it is **6DB08E**.

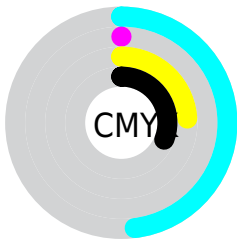
# Distribution



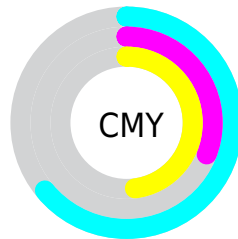
- Red (36%)
- Green (69%)
- Blue (52%)



- Red (36%)
- Yellow (58%)
- Blue (69%)



- Cyan (48%)
- Magenta (0%)
- Yellow (24%)
- Black (31%)



- Cyan (64%)
- Magenta (31%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5BB085 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 5BB085 by changing the saturation by 10% instead.



 5BB085

 5BB085

FFFFFF

 3F956C

 92E8BA

 217B53

 AEFFD6

 00613C

 CAFFF2

 004926

 E7FFFF

 003111

 001C00

 000000

 5BB085

 5BB085

 49B07C

 6DB08E

 38B073

 7EB097

 26B06A

 90B0A0

 15B061

 A1B0A9

 03B058

 B3B0B2

 00B057

 C5B0BA

 D6B0C3

 E8B0CC

 F9B0D5

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87AA68



5BB085



1DB2A9

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



5BB085



7CA0E4



DE8A76

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



5BB085



B05B86

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



E28497



5BB085



B093D6

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



5BB085



38AADF



D388BA



CB9560

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



5BB085



00B1BF



D388BA



E28781



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



5BB085



C5E6D5



87B05B



5F7369



F2F2F2



737373



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



5BB085



60E6A2



5BB0AF



505955



00994C



001A0D



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



B05B86



E660A4



B05B5C



595055



99004D



1A000D



# Previews

## White Background



This preview shows how the Hex color 5BB085 looks on a white background.

## Color Contrast Check

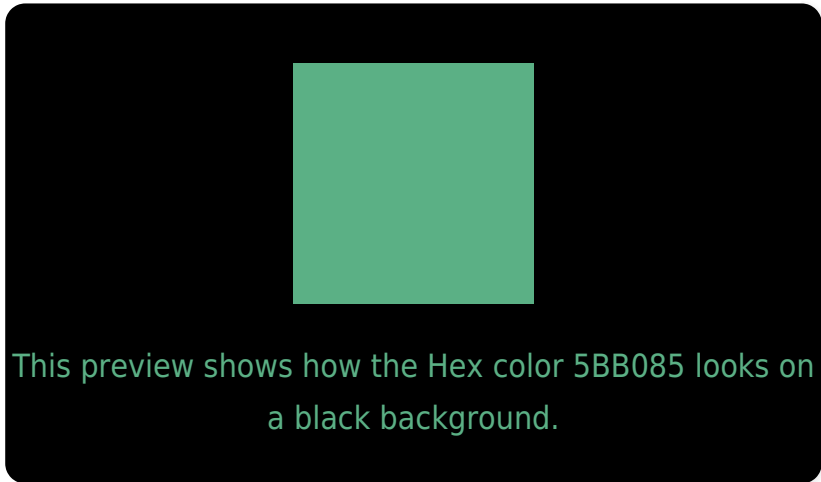
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

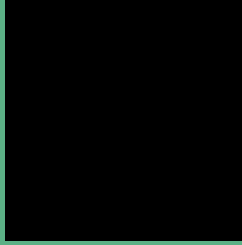
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5BB085 Background



This preview shows how black text looks on a background with the Hex color 5BB085.

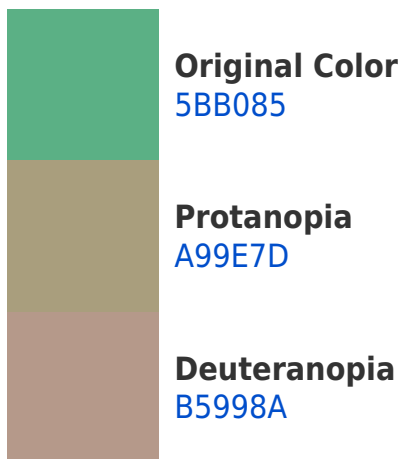


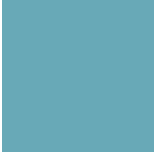
This preview shows how white text looks on a background with the Hex color 5BB085.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

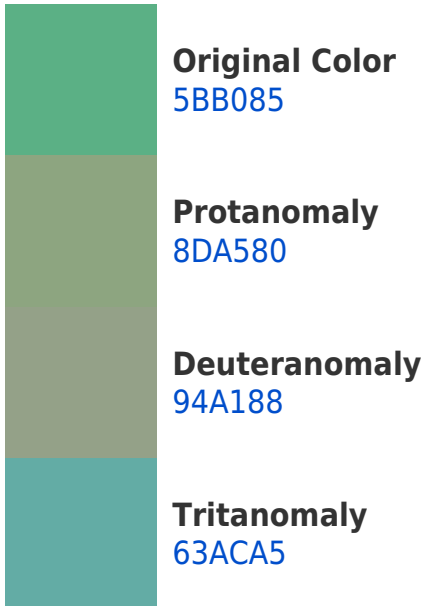
## Dichromacy



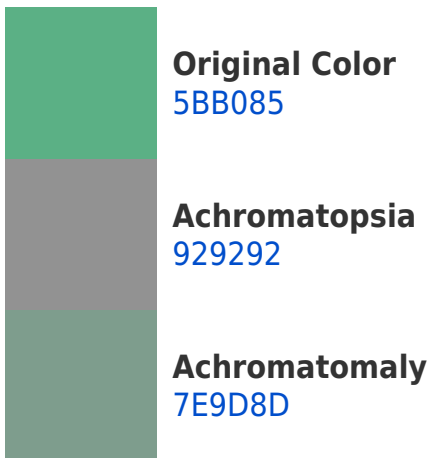


**Tritanopia**  
68A9B7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5BB085 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #5BB085 looks like.

```
.text, #text, p{  
    color:#5BB085  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #5BB085 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5BB085
}
```

## Border

The CSS property to change the border of an element to Hex 5BB085 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5BB085 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#5BB085 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #5BB085 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5BB085; -webkit-box-shadow:4px 4px  
4px 4px #5BB085; box-shadow:4px 4px 4px  
4px #5BB085 }
```

# Background

The CSS property to change the background color of an element to Hex 5BB085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5BB085 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#5BB085 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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