

# Converting Colors

Hex(68BFAE)

Have a look what the booklet for  
Hex(68BFAE) contains.

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# Color

**Hex(68BFAE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68BFAE
RGB	104, 191, 174
RGB Percent	41%, 75%, 68%
CMY	0.5922, 0.2510, 0.3176
CMYK	0.46, 0.00, 0.09, 0.25
HSL	168°, 40%, 58%
HSV	168°, 46%, 75%
XYZ	31.9797, 43.2607, 46.7090
YIQ	163.0490, -46.3950, -23.7310

# Conversions

## Conversions Part 2

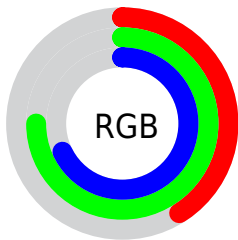
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 152, 191
Decimal	6864814
CIELab	71.73, -30.39, 0.42
CIElCh	72, 30.394, 179.202
Yxy	43.2607, 0.2622, 0.3547
Android (android.graphics.Color)	4285054894 (0xFF68BFAE)
YUV	163.0490, 5.3988, -51.7860
Hunter-Lab	65.7728, -28.3132, 3.9358

# Details

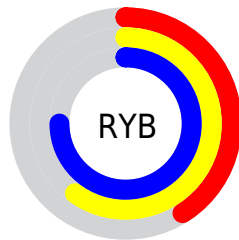
The Hex color **68BFAE** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **BF6879**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **A0F8E5**, and **2F897A** is the 20% darker color. If you saturate the color by 10%, you get **55BFAA**, and if you desaturate by 10%, it is **7BBFB2**.

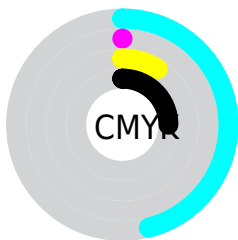
# Distribution



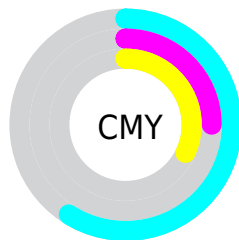
- Red (41%)
- Green (75%)
- Blue (68%)



- Red (41%)
- Yellow (60%)
- Blue (75%)



- Cyan (46%)
- Magenta (0%)
- Yellow (9%)
- Black (25%)



- Cyan (59%)
- Magenta (25%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68BFAE 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 68BFAE by changing the saturation by 10% instead.



 68BFAE

 68BFAE

FFFFFF

 4CA493


 A0F8E5

 2F897A

 BCFFFF

 046F61

 D9FFFF

 005649

 F7FFFF

 003F33

 00281E

 000C05

 000000

 68BFAE

 68BFAE

■ 55BFAA

■ 7BBFB2

■ 42BFA7

■ 8EBFB5

■ 2FBFA3

■ A1BFB9

■ 1CBF9F

■ B4BFBD

■ 09BF9B

■ C7BFC1

■ 00BF9A

■ DBBFC4

■ EEBFC8

■ FFBFCC

■ FFBFD0

# Harmonies

## Analogous

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



87BC93



68BFAE



57BECA

# Triad

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



68BFAE



B3A9E0



DBA481

# Complementary

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



68BFAE



BF6879

# 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.



E79D96



68BFAE



D2A0CD

# Square

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



68BFAE



8BB3E7



E49BB2



C4AE78

# Rectangle

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



68BFAE



5DBCD9



E49BB2



E0A287



# Sweetspot

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



68BFAE



D5F7F1



79BF68



687D79



FCFCFC



7D7D7D



# Same Dimension

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



68BFAE



6FF7DD



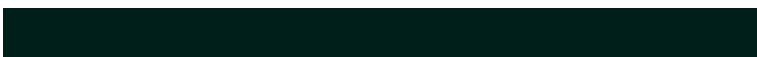
68A5BF



555E5D



009E7F



001F19



# Inverse Universe

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



BF6879



F76F8A



BF8268



5E5557



9E001F

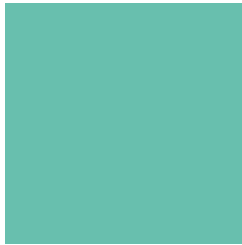


1F0006



# Previews

## White Background



This preview shows how the Hex color 68BFAE looks on a white background.

## Color Contrast Check

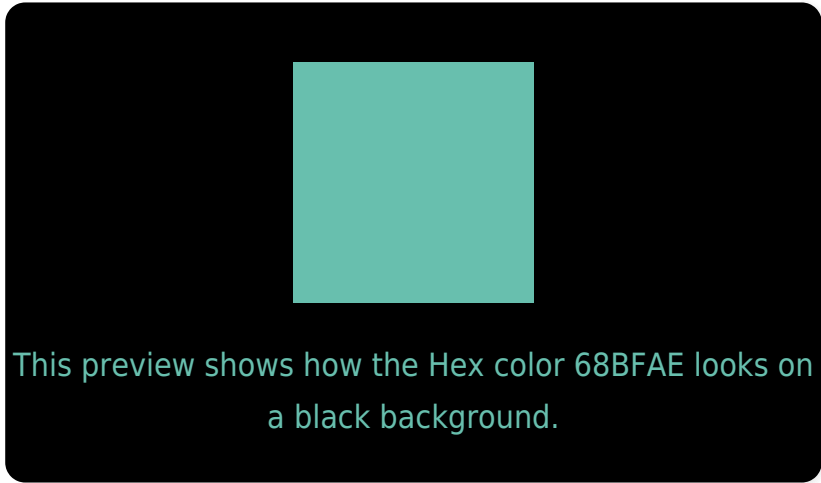
Large Text (above 18pt) WCAG AA × Fail

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

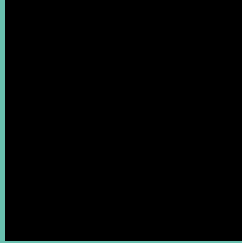
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

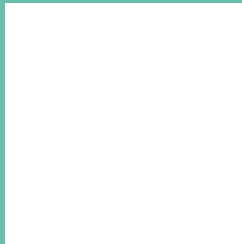
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 68BFAE Background



This preview shows how black text looks on a background with the Hex color 68BFAE.

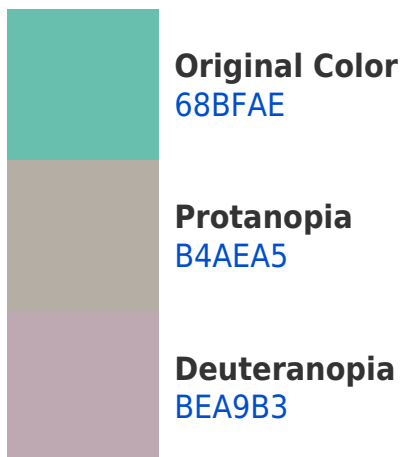


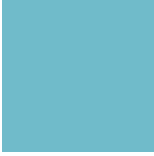
This preview shows how white text looks on a background with the Hex color 68BFAE.

# 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](#).

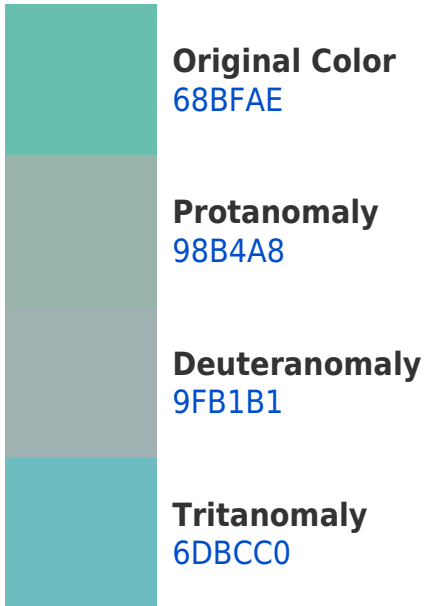
## Dichromacy



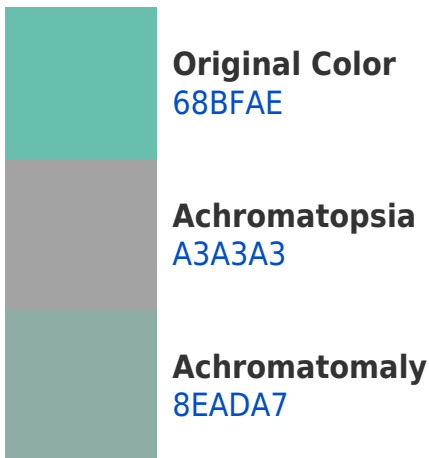


**Tritanopia**  
70BBCA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68BFAE 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 #68BFAE looks like.

```
.text, #text, p{  
    color:#68BFAE  
}
```

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 #68BFAE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68BFAE
}
```

## Border

The CSS property to change the border of an element to Hex 68BFAE 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
#68BFAE }
```

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

```
.border{ border-color:#68BFAE }
```

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

Here you see how a box with a 4 pixel #68BFAE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68BFAE; -webkit-box-shadow:4px 4px  
4px 4px #68BFAE; box-shadow:4px 4px 4px  
4px #68BFAE }
```

# Background

The CSS property to change the background color of an element to Hex 68BFAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68BFAE }
```

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

```
.background{ background-color:#68BFAE }
```

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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