

# Converting Colors

Hex(66BC87)

Have a look what the booklet for  
Hex(66BC87) contains.

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# **Color**

**Hex(66BC87)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66BC87
RGB	102, 188, 135
RGB Percent	40%, 74%, 53%
CMY	0.6000, 0.2627, 0.4706
CMYK	0.46, 0.00, 0.28, 0.26
HSL	143°, 39%, 57%
HSV	143°, 46%, 74%
XYZ	27.8359, 40.5405, 29.2797
YIQ	156.2440, -34.2430, -34.7150

# Conversions

## Conversions Part 2

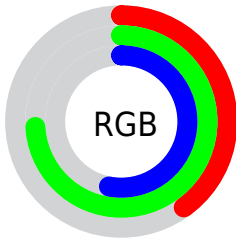
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 164, 188</a>
Decimal	<a href="#">6732935</a>
CIELab	<a href="#">69.85, -38.01, 18.93</a>
CIELCh	<a href="#">70, 42.466, 153.527</a>
Yxy	<a href="#">40.5405, 0.2850, 0.4151</a>
Android (android.graphics.Color)	<a href="#">4284923015 (0xFF66BC87)</a>
YUV	<a href="#">156.2440, -10.4733, -47.5720</a>
Hunter-Lab	<a href="#">63.6714, -33.3883, 17.3051</a>

# Details

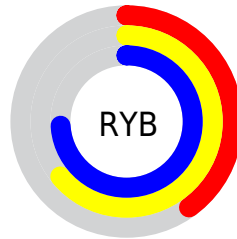
The Hex color **66BC87** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **BC669B**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **9DF5BC**, and **2E8655** is the 20% darker color. If you saturate the color by 10%, you get **53BC7B**, and if you desaturate by 10%, it is **79BC93**.

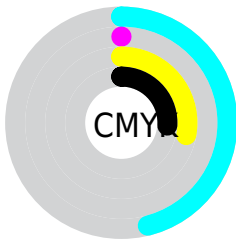
# Distribution



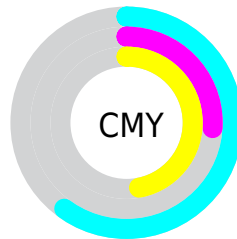
- Red (40%)
- Green (74%)
- Blue (53%)



- Red (40%)
- Yellow (64%)
- Blue (74%)



- Cyan (46%)
- Magenta (0%)
- Yellow (28%)
- Black (26%)



- Cyan (60%)
- Magenta (26%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66BC87 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 66BC87 by changing the saturation by 10% instead.





66BC87



66BC87

FFFFFF



4BA16E



9DF5BC



2E8655



B9FFD8



086C3D



D6FFF5



005327



F3FFFF



003B12



002600



000000



66BC87



66BC87



53BC7B



79BC93

 40BC70

 8CBC9E

 2EBC64

 9EBCAA

 1BBC59

 B1BCB5

 08BC4D

 C4BCC1

 00BC48

 D7BCCD

 EABCD8

 FCBCE4

 FFBCEF

# Harmonies

## Analogous

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



96B569



66BC87



1CBFAE

# Triad

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



66BC87



77ADF7



F29082

# Complementary

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



66BC87



BC669B

# 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.



F38CA8



66BC87



B59FEB

# Square

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



66BC87



13B8EF



DF92CE



DF9C66

# Rectangle

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



66BC87



00BFC8



DF92CE



F58E8E

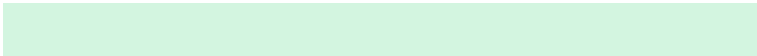


# Sweetspot

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



66BC87



D3F5E0



9BBC66



667A6E



FAFAFA



7A7A7A



# Same Dimension

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



66BC87



6EF5A2



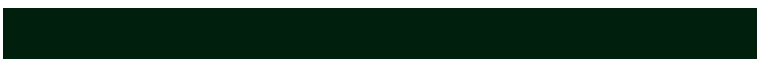
66BCB2



555E59



009E3D



001F0C



# Inverse Universe

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



BC669B



F56EC1



BC6670



5E555B



9E0061



1F0013



# Previews

## White Background



This preview shows how the Hex color 66BC87 looks on a white background.

## Color Contrast Check

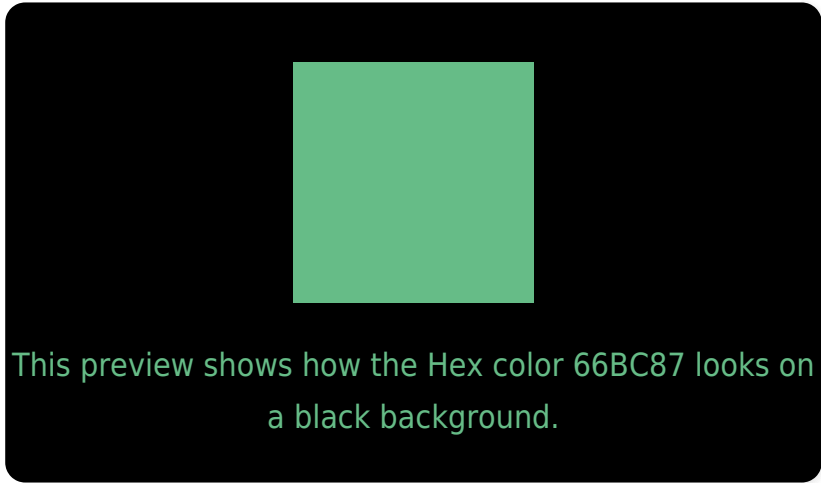
Large Text (above 18pt) WCAG AA × Fail

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

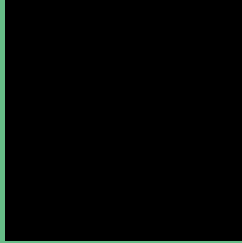
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 66BC87 Background



This preview shows how black text looks on a background with the Hex color 66BC87.



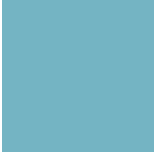
This preview shows how white text looks on a background with the Hex color 66BC87.

# 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](#).

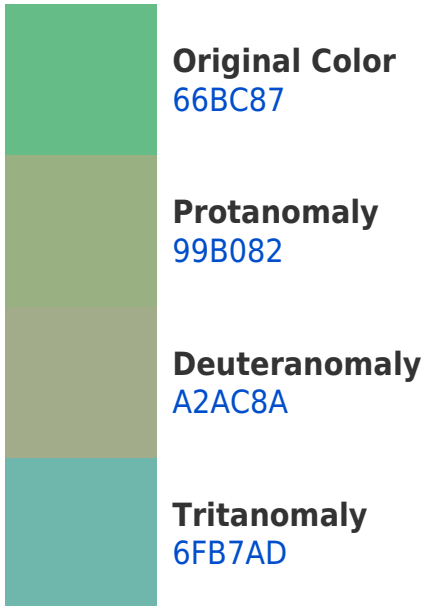
## Dichromacy





**Tritanopia**  
74B4C3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66BC87 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 #66BC87 looks like.

```
.text, #text, p{  
    color:#66BC87  
}
```

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 #66BC87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66BC87
}
```

## Border

The CSS property to change the border of an element to Hex 66BC87 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
#66BC87 }
```

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

```
.border{ border-color:#66BC87 }
```

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

Here you see how a box with a 4 pixel #66BC87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66BC87; -webkit-box-shadow:4px 4px  
4px 4px #66BC87; box-shadow:4px 4px 4px  
4px #66BC87 }
```

# Background

The CSS property to change the background color of an element to Hex 66BC87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66BC87 }
```

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

```
.background{ background-color:#66BC87 }
```

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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