

# Converting Colors

Hex(66B3BD)

Have a look what the booklet for  
Hex(66B3BD) contains.

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**Color**

**Hex(66B3BD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66B3BD
RGB	102, 179, 189
RGB Percent	40%, 70%, 74%
CMY	0.6000, 0.2980, 0.2588
CMYK	0.46, 0.05, 0.00, 0.26
HSL	187°, 40%, 57%
HSV	187°, 46%, 74%
XYZ	30.7849, 38.7391, 53.9990
YIQ	157.1170, -49.1020, -13.2140

# Conversions

## Conversions Part 2

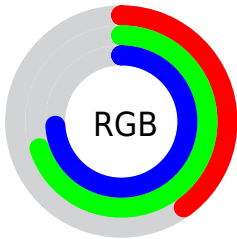
Format	Color
R <sub>YB</sub>	102, 143, 189
Decimal	6730685
CIE Lab	68.56, -21.11, -12.51
CIE LCh	69, 24.544, 210.651
Yxy	38.7391, 0.2492, 0.3136
Android (android.graphics.Color)	4284920765 (0xFF66B3BD)
YUV	157.1170, 15.7183, -48.3376
Hunter-Lab	62.2407, -20.6334, -7.8704

# Details

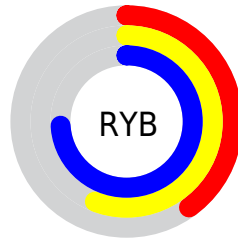
The Hex color **66B3BD** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **BD7066**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **9EEBF5**, and **2C7E88** is the 20% darker color. If you saturate the color by 10%, you get **53B1BD**, and if you desaturate by 10%, it is **79B5BD**.

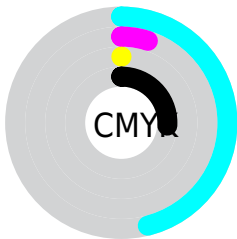
# Distribution



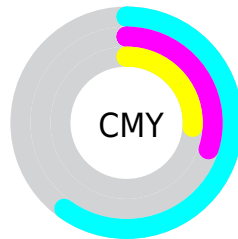
- Red (40%)
- Green (70%)
- Blue (74%)



- Red (40%)
- Yellow (56%)
- Blue (74%)



- Cyan (46%)
- Magenta (5%)
- Yellow (0%)
- Black (26%)



- Cyan (60%)
- Magenta (30%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66B3BD 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 66B3BD by changing the saturation by 10% instead.



 66B3BD

 66B3BD

FFFFFF

 4A98A2

 9EEBF5

 2C7E88

 BAEFFF

 00656E

 D7FFFF

 004D56

 F5FFFF

 00363F

 002129

 000115

 000000

 66B3BD

 66B3BD

■ 53B1BD

■ 79B5BD

■ 40AFBD

■ 8CB7BD

■ 2DACBD

■ 9FBABD

■ 1AAABD

■ B2BCBD

■ 08A8BD

■ C5BEBD

■ 00A7BD

■ D7C0BD

■ EAC2BD

■ FDC4BD

■ FFC7BD

# Harmonies

## Analogous

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



70B4A7



66B3BD



71AFCD

# Triad

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



66B3BD



C49BBD



B7A67B

# Complementary

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



66B3BD



BD7066

# 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.



CA9E81



66B3BD



D297A8

# Square

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



66B3BD



ABA1CD



D49992



9FAD81

# Rectangle

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



66B3BD



83ABD2



D49992



BEA37C



# Sweetspot

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



66B3BD



D3F1F5



66BD6F



66787A



FAFAFA



7A7A7A



# Same Dimension

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



66B3BD



6EE5F5



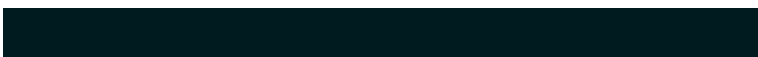
6689BD



555D5E



008C9E



001B1F



# Inverse Universe

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



BD66B3



F56EE5



BD9A66



5E555D



9E008C

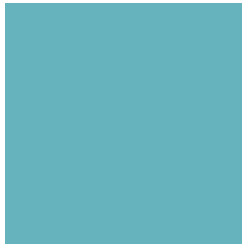


1F001B



# Previews

## White Background



This preview shows how the Hex color 66B3BD looks on a white background.

## Color Contrast Check

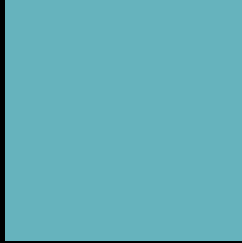
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 66B3BD looks on a 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 66B3BD Background



This preview shows how black text looks on a background with the Hex color 66B3BD.

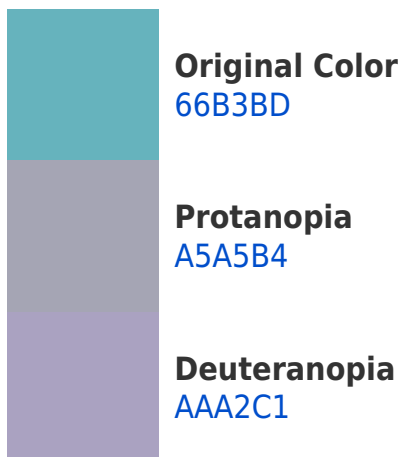


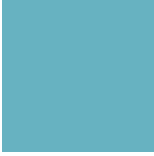
This preview shows how white text looks on a background with the Hex color 66B3BD.

# 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](#).

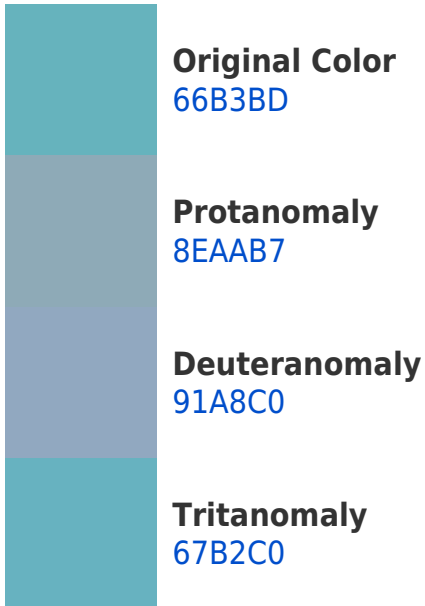
## Dichromacy



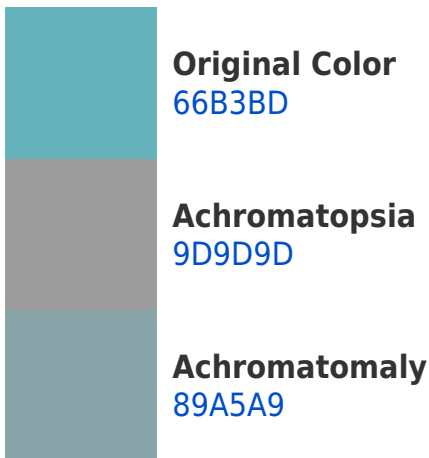


**Tritanopia**  
67B2C1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66B3BD 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 #66B3BD looks like.

```
.text, #text, p{  
    color:#66B3BD  
}
```

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 #66B3BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66B3BD }  
}
```

## Border

The CSS property to change the border of an element to Hex 66B3BD 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 #66B3BD }  
}
```

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

```
.border{ border-color:#66B3BD }
```

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

Here you see how a box with a 4 pixel #66B3BD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66B3BD; -webkit-box-shadow:4px 4px  
4px 4px #66B3BD; box-shadow:4px 4px 4px  
4px #66B3BD }
```

# Background

The CSS property to change the background color of an element to Hex 66B3BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66B3BD }
```

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

```
.background{ background-color:#66B3BD }
```

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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