

# Converting Colors

Hex(3BB2E6)

Have a look what the booklet for  
Hex(3BB2E6) contains.

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# **Color**

**Hex(3BB2E6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BB2E6
RGB	59, 178, 230
RGB Percent	23%, 70%, 90%
CMY	0.7686, 0.3020, 0.0980
CMYK	0.74, 0.23, 0.00, 0.10
HSL	198°, 77%, 57%
HSV	198°, 74%, 90%
XYZ	32.0070, 38.4838, 80.6041
YIQ	148.3470, -87.6160, -9.0560

# Conversions

## Conversions Part 2

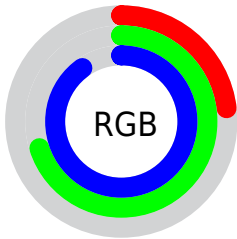
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 129, 230
Decimal	3912422
CIELab	68.38, -15.83, -35.45
CIELCh	68, 38.821, 245.940
Yxy	38.4838, 0.2118, 0.2547
Android (android.graphics.Color)	4282102502 (0xFF3BB2E6)
YUV	148.3470, 40.2549, -78.3573
Hunter-Lab	62.0353, -16.4651, -33.6124

# Details

The Hex color **3BB2E6** is a light color, and the websafe version is hex **0099CC**. The color can be described as light washed azure. A complement of this color would be **E66F3B**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **80EAFF**, and **007DAE** is the 20% darker color. If you saturate the color by 10%, you get **24ABE6**, and if you desaturate by 10%, it is **52B9E6**.

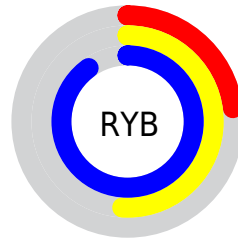
# Distribution



Red (23%)

Green (70%)

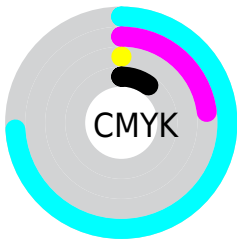
Blue (90%)



Red (23%)

Yellow (51%)

Blue (90%)

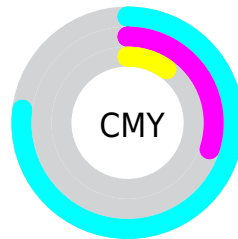


Cyan (74%)

Magenta (23%)

Yellow (0%)

Black (10%)



Cyan (77%)

Magenta (30%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3BB2E6 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 3BB2E6 by changing the saturation by 10% instead.



3BB2E6

3BB2E6

FFFFFF

0097CA

80EAFB

007DAE

A0FFFF

006493

BEFFFF

004C79

DDFFFF

003660

FCFFFF

002148

000432

00011C

000000

■ 3BB2E6

■ 3BB2E6

■ 24ABE6

■ 52B9E6

■ 0DA4E6

■ 69C0E6

■ 00A0E6

■ 80C7E6

■ 97CEE6

■ AED5E6

■ C5DCE6

■ DCE3E6

■ F3EAE6

■ FFF1E6

# Harmonies

## Analogous

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



00B8CF



3BB2E6



7EA8EC

# Triad

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



3BB2E6



EA8BA1



91B16D

# Complementary

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



3BB2E6



E66F3B

# 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.



B7A760



3BB2E6



E8907F

# Square

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



3BB2E6



D990C4



D59B67



66B789

# Rectangle

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



3BB2E6



A49FE6



D59B67



9EAE66

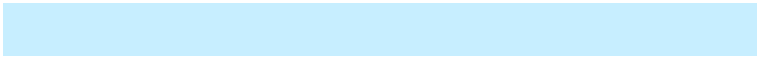


# Sweetspot

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



3BB2E6



C7EEFF



3BE66E



5E7580



000000



808080

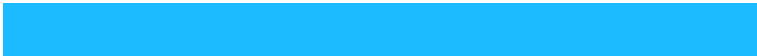


# Same Dimension

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



3BB2E6



1CBAFF



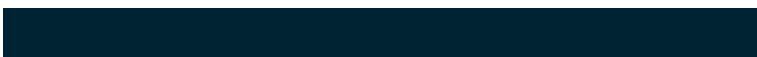
3B5DE6



676F73



007CB3



002333



# Inverse Universe

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



E63BB2



FF1CBA



E6C43B



73676F



B3007C

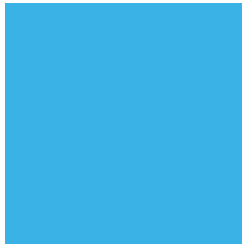


330023



# Previews

## White Background



This preview shows how the Hex color 3BB2E6 looks on a white background.

## Color Contrast Check

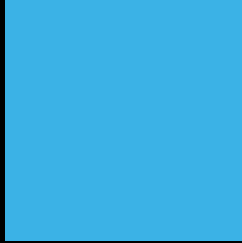
Large Text (above 18pt) WCAG AA × Fail

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 3BB2E6 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

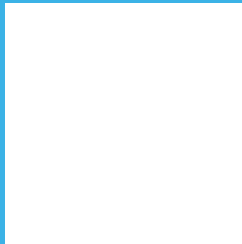
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3BB2E6 Background



This preview shows how black text looks on a background with the Hex color 3BB2E6.

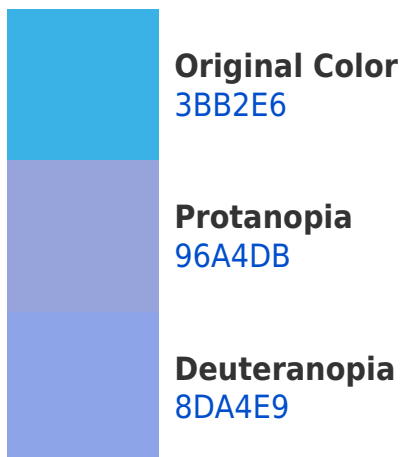


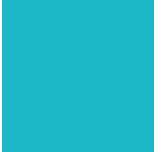
This preview shows how white text looks on a background with the Hex color 3BB2E6.

# 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](#).

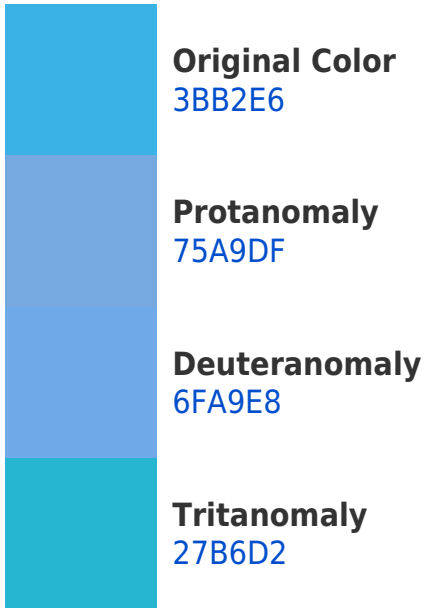
## Dichromacy





**Tritanopia**  
1CB8C7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3BB2E6 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 #3BB2E6 looks like.

```
.text, #text, p{  
    color:#3BB2E6  
}
```

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 #3BB2E6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3BB2E6
}
```

## Border

The CSS property to change the border of an element to Hex 3BB2E6 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
#3BB2E6 }
```

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

```
.border{ border-color:#3BB2E6 }
```

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

Here you see how a box with a 4 pixel #3BB2E6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3BB2E6; -webkit-box-shadow:4px 4px  
4px 4px #3BB2E6; box-shadow:4px 4px 4px  
4px #3BB2E6 }
```

# Background

The CSS property to change the background color of an element to Hex 3BB2E6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3BB2E6 }
```

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

```
.background{ background-color:#3BB2E6 }
```

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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