

# Converting Colors

Hex(3AB7D0)

Have a look what the booklet for  
Hex(3AB7D0) contains.

<b>Hex(3AB7D0)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(3AB7D0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AB7D0
RGB	58, 183, 208
RGB Percent	23%, 72%, 82%
CMY	0.7725, 0.2824, 0.1843
CMYK	0.72, 0.12, 0.00, 0.18
HSL	190°, 61%, 52%
HSV	190°, 72%, 82%
XYZ	30.0636, 39.3206, 65.6796
YIQ	148.4750, -82.5250, -18.7250

# Conversions

## Conversions Part 2

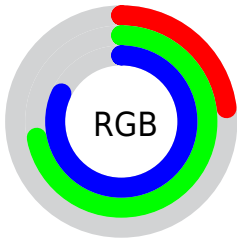
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	58, 126, 208
Decimal	3848144
CIE <sub>Lab</sub>	68.98, -25.63, -22.46
CIE <sub>LCh</sub>	69, 34.084, 221.232
Yxy	39.3206, 0.2226, 0.2911
Android (android.graphics.Color)	4282038224 (0xFF3AB7D0)
YUV	148.4750, 29.3458, -79.3466
Hunter-Lab	62.7061, -24.1564, -18.2072

# Details

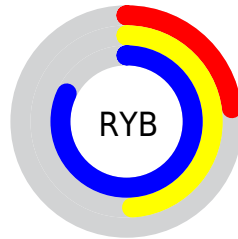
The Hex color **3AB7D0** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **D0533A**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **7DEFFF**, and **00829A** is the 20% darker color. If you saturate the color by 10%, you get **25B4D0**, and if you desaturate by 10%, it is **4FBAD0**.

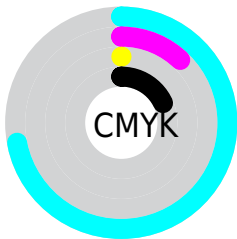
# Distribution



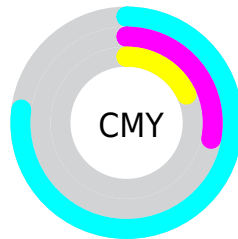
- Red (23%)
- Green (72%)
- Blue (82%)



- Red (23%)
- Yellow (49%)
- Blue (82%)



- Cyan (72%)
- Magenta (12%)
- Yellow (0%)
- Black (18%)



- Cyan (77%)
- Magenta (28%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3AB7D0 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 3AB7D0 by changing the saturation by 10% instead.



 3AB7D0

 3AB7D0

FFFFFF

 009CB4

 7DEFFF

 00829A

 9CFFFF

 006880

 BAFFFF

 005066

 D8FFFF

 00384E

 F7FFFF

 002437

 000222

 000008

 000000

■ 3AB7D0

■ 3AB7D0

■ 25B4D0

■ 4FBAD0

■ 10B0D0

■ 64BED0

■ 00ADD0

■ 78C1D0

■ 8DC5D0

■ A2C8D0

■ B7CCD0

■ CCCFD0

■ E0D3D0

■ F5D6D0

# Harmonies

## Analogous

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



46B9B3



3AB7D0



5FB1E2

# Triad

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



3AB7D0



D993BD



B2AA6B

# Complementary

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



3AB7D0



D0533A

# 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.



CEA06E



3AB7D0



E5919E

# Square

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



3AB7D0



BB9CD7



E19681



90B379

# Rectangle

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



3AB7D0



80ABE6



E19681



BCA76A

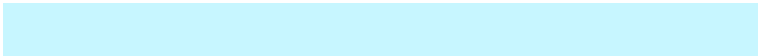


# Sweetspot

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



3AB7D0



C7F6FF



3AD053



5E7A80



000000



808080

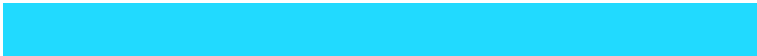


# Same Dimension

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



3AB7D0



21DAFF



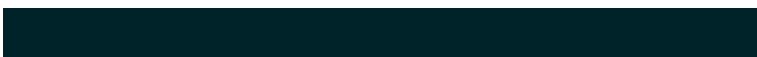
3A6CD0



5E6769



008CA8



002229



# Inverse Universe

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



D03AB7



FF21DA



D09E3A



695E67



A8008C



290022



# Previews

## White Background



This preview shows how the Hex color 3AB7D0 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 3AB7D0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

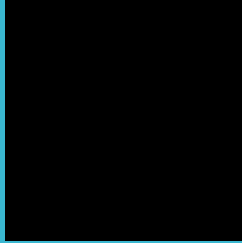
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 3AB7D0 Background



This preview shows how black text looks on a background with the Hex color 3AB7D0.

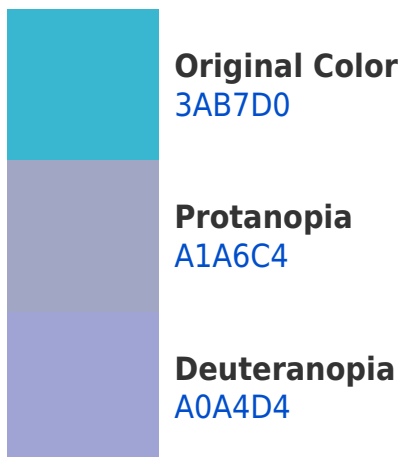


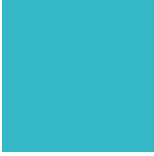
This preview shows how white text looks on a background with the Hex color 3AB7D0.

# 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](#).

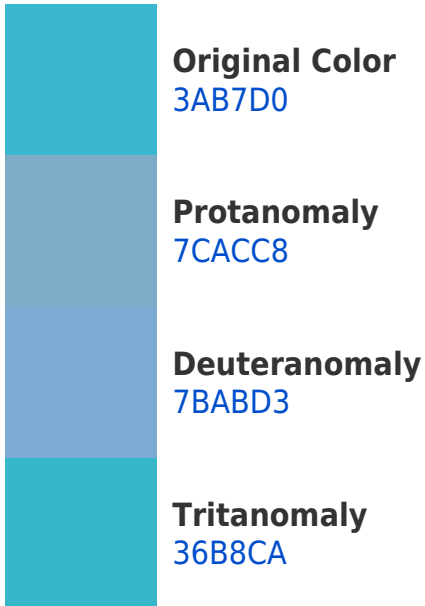
## Dichromacy





**Tritanopia**  
34B8C7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3AB7D0 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 #3AB7D0 looks like.

```
.text, #text, p{  
    color:#3AB7D0  
}
```

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 #3AB7D0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3AB7D0
}
```

## Border

The CSS property to change the border of an element to Hex 3AB7D0 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
#3AB7D0 }
```

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

```
.border{ border-color:#3AB7D0 }
```

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

Here you see how a box with a 4 pixel #3AB7D0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3AB7D0; -webkit-box-shadow:4px 4px  
4px 4px #3AB7D0; box-shadow:4px 4px 4px  
4px #3AB7D0 }
```

# Background

The CSS property to change the background color of an element to Hex 3AB7D0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3AB7D0 }
```

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

```
.background{ background-color:#3AB7D0 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor