

# Converting Colors

Hex(34B0B0)

Have a look what the booklet for  
Hex(34B0B0) contains.

<b>Hex(34B0B0)</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(34B0B0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34B0B0
RGB	52, 176, 176
RGB Percent	20%, 69%, 69%
CMY	0.7961, 0.3098, 0.3098
CMYK	0.70, 0.00, 0.00, 0.31
HSL	180°, 54%, 45%
HSV	180°, 70%, 69%
XYZ	24.7780, 34.9153, 46.5077
YIQ	138.9240, -73.9040, -26.2880

# Conversions

## Conversions Part 2

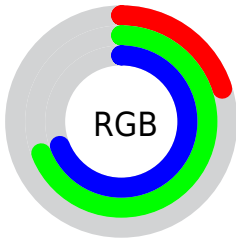
<b>Format</b>	<b>Color</b>
<b>RYB</b>	52, 114, 176
Decimal	3453104
CIELab	65.68, -32.67, -9.79
CIElCh	66, 34.107, 196.678
Yxy	34.9153, 0.2333, 0.3288
Android (android.graphics.Color)	4281643184 (0xFF34B0B0)
YUV	138.9240, 18.2785, -76.2323
Hunter-Lab	59.0892, -28.5553, -5.3033

# Details

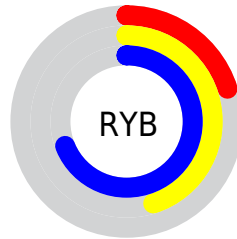
The Hex color **34B0B0** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **B03434**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **75E8E8**, and **007B7C** is the 20% darker color. If you saturate the color by 10%, you get **22B0B0**, and if you desaturate by 10%, it is **46B0B0**.

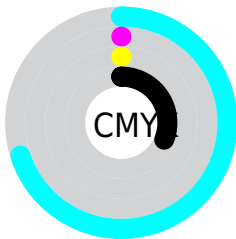
# Distribution



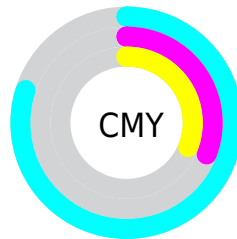
- Red (20%)
- Green (69%)
- Blue (69%)



- Red (20%)
- Yellow (45%)
- Blue (69%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



- Cyan (80%)
- Magenta (31%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 34B0B0 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 34B0B0 by changing the saturation by 10% instead.



 34B0B0

 34B0B0

FFFFFF

 009595

 75E8E8

 007B7C

 93FFFF

 006163

 B1FFFF

 00494B

 CFFFFFF

 003234

 EDFFFF

 001D1F

 000006

 000000

 34B0B0

 34B0B0

■ 22B0B0

■ 46B0B0

■ 11B0B0

■ 57B0B0

■ 00B0B0

■ 69B0B0

■ 7AB0B0

■ 8CB0B0

■ 9EB0B0

■ AFB0B0

■ C1B0B0

■ D2B0B0

# Harmonies

## Analogous

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



5AAF90



34B0B0



30ADCB

# Triad

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



34B0B0



B892CA



C09964

# Complementary

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



34B0B0



B03434

# 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.



D48F74



34B0B0



D38AAE

# Square

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



34B0B0



8F9DDA



DC888F



A3A364

# Rectangle

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



34B0B0



4DA9D7



DC888F



C89568



# Sweetspot

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



34B0B0



B5E6E6



34B034



567373



F2F2F2



737373



# Same Dimension

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



34B0B0



22E6E6



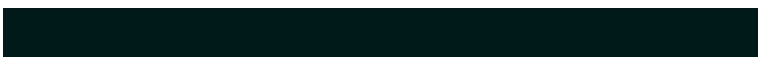
3472B0



505959



009999



001A1A



# Inverse Universe

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



B034B0



E622E6



B07234



595059



990099



1A001A



# Previews

## White Background



This preview shows how the Hex color 34B0B0 looks on a white background.

## Color Contrast Check

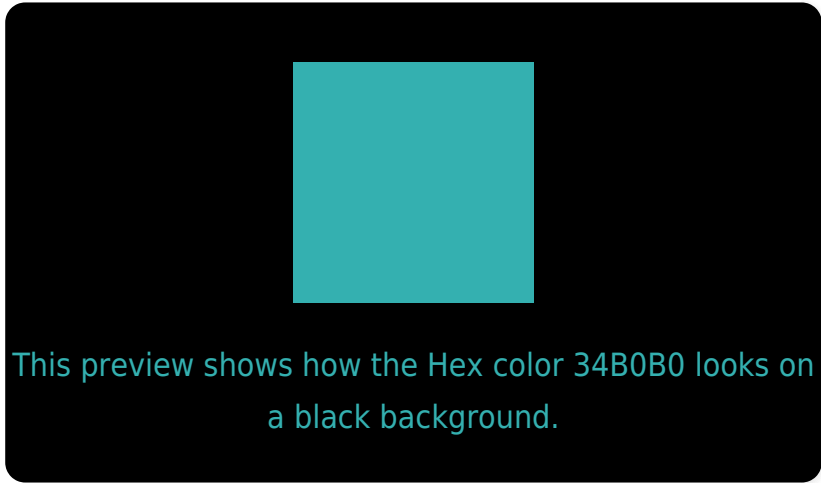
Large Text (above 18pt) WCAG AA × Fail

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

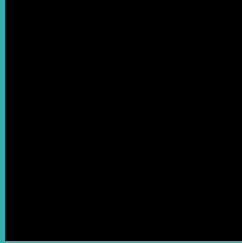
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

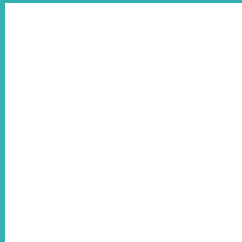
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 34B0B0 Background



This preview shows how black text looks on a background with the Hex color 34B0B0.

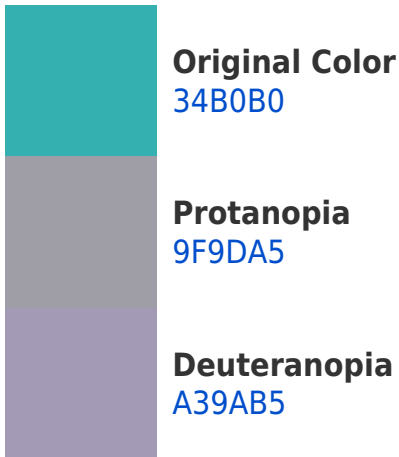


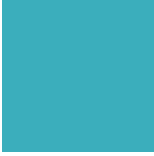
This preview shows how white text looks on a background with the Hex color 34B0B0.

# 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





# Trichromacy



**Original Color**  
34B0B0



**Protanomaly**  
78A4A9



**Deuteranomaly**  
7BA2B3



**Tritanomaly**  
38AFB8

# Monochromacy



**Original Color**  
34B0B0



**Achromatopsia**  
8B8B8B



**Achromatomaly**  
6B9898

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 34B0B0 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 #34B0B0 looks like.

```
.text, #text, p{  
    color:#34B0B0  
}
```

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 #34B0B0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #34B0B0
}
```

## Border

The CSS property to change the border of an element to Hex 34B0B0 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
#34B0B0 }
```

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

```
.border{ border-color:#34B0B0 }
```

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

Here you see how a box with a 4 pixel #34B0B0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #34B0B0; -webkit-box-shadow:4px 4px  
4px 4px #34B0B0; box-shadow:4px 4px 4px  
4px #34B0B0 }
```

# Background

The CSS property to change the background color of an element to Hex 34B0B0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#34B0B0 }
```

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

```
.background{ background-color:#34B0B0 }
```

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