

# Converting Colors

Hex(00ABB0)

Have a look what the booklet for  
Hex(00ABB0) contains.

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# Color

Hex(00ABB0)

# Conversions

## Conversions Part 1

Format	Color
Hex	00ABB0
RGB	0, 171, 176
RGB Percent	0%, 67%, 69%
CMY	1.0000, 0.3294, 0.3098
CMYK	1.00, 0.03, 0.00, 0.31
HSL	182°, 100%, 35%
HSV	182°, 100%, 69%
XYZ	22.3994, 32.2604, 46.1206
YIQ	120.4410, -103.5210, -34.6970

# Conversions

## Conversions Part 2

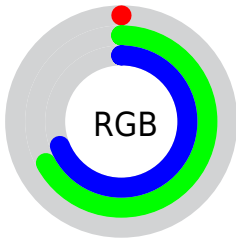
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 87, 176
Decimal	43952
CIELab	63.56, -34.08, -13.03
CIElCh	64, 36.486, 200.930
Yxy	32.2604, 0.2223, 0.3201
Android (android.graphics.Color)	4278234032 (0xFF00ABB0)
YUV	120.4410, 27.3906, -105.6268
Hunter-Lab	56.7982, -29.0023, -8.3852

# Details

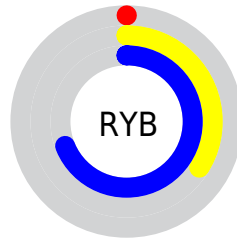
The Hex color **00ABB0** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **B00500**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **61E3E8**, and **00767C** is the 20% darker color. If you saturate the color by 10%, you get **00ABB0**, and if you desaturate by 10%, it is **12ACB0**.

# Distribution



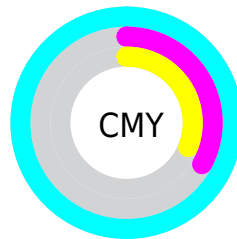
- Red (0%)
- Green (67%)
- Blue (69%)



- Red (0%)
- Yellow (34%)
- Blue (69%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (33%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00ABB0 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 00ABB0 by changing the saturation by 10% instead.



 00ABB0

 00ABB0

FFFFFF

 009095

 61E3E8

 00767C

 81FFFF

 005D63

 9FFFFFFF

 00454B

 BEFFFF

 002D34

 DCFFFF

 00161F

 FBFFFF

 000005

 000000

 00ABB0

 12ACB0

 23ACB0

 35ADB0

 46ADB0

 58AEB0

 6AAEB0

 7BAFB0

 8DAFB0

 9EB0B0

# Harmonies

## Analogous

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



47AB8F



00ABB0



0BA8CB

# Triad

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



00ABB0



B989C3



B89559

# Complementary

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



00ABB0



B00500

# 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.



CF8969



00ABB0



D281A5

# Square

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



00ABB0



8F95D6



D98184



989F5C

# Rectangle

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



00ABB0



42A3D7



D98184



C1915D



# Sweetspot

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



00ABB0



A1E4E6



00B003



497273



F2F2F2



737373

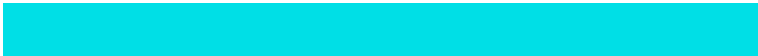


# Same Dimension

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



00ABBO



00DFE6



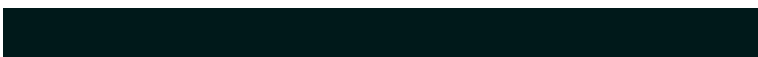
0055B0



505959



009599



00191A



# Inverse Universe

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



B000AB



E600DF



B05B00



595059



990095



1A0019



# Previews

## White Background



This preview shows how the Hex color 00ABB0 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 00ABB0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

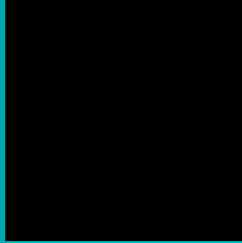
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00ABB0 Background



This preview shows how black text looks on a background with the Hex color 00ABB0.

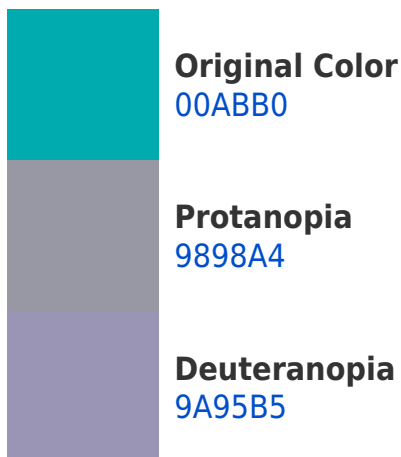


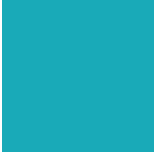
This preview shows how white text looks on a background with the Hex color 00ABB0.

# 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**  
19AAB8

# Trichromacy



**Original Color**  
00ABB0



**Protanomaly**  
619FA8



**Deuteranomaly**  
629DB3



**Tritanomaly**  
10AAB5

# Monochromacy



**Original Color**  
00ABB0



**Achromatopsia**  
787878



**Achromatomaly**  
4C8B8C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00ABB0 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 #00ABB0 looks like.

```
.text, #text, p{  
    color:#00ABB0  
}
```

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 #00ABB0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00ABB0
}
```

## Border

The CSS property to change the border of an element to Hex 00ABB0 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
#00ABB0 }
```

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

```
.border{ border-color:#00ABB0 }
```

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

Here you see how a box with a 4 pixel #00ABB0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00ABB0; -webkit-box-shadow:4px 4px  
4px 4px #00ABB0; box-shadow:4px 4px 4px  
4px #00ABB0 }
```

# Background

The CSS property to change the background color of an element to Hex 00ABB0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00ABB0 }
```

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

```
.background{ background-color:#00ABB0 }
```

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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