

# Converting Colors

Hex(00A7BF)

Have a look what the booklet for  
Hex(00A7BF) contains.

|  |    |
|--|----|
| <b>Hex(00A7BF)</b> .....                       | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 11 |
| <b><i>Previews</i></b> .....                   | 23 |
| <b><i>Color Blindness Simulation</i></b> ..... | 26 |
| <b><i>CSS Examples</i></b> .....               | 29 |

# Color

Hex(00A7BF)

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 00A7BF                        |
| RGB         | 0, 167, 191                   |
| RGB Percent | 0%, 65%, 75%                  |
| CMY         | 1.0000, 0.3451, 0.2510        |
| CMYK        | 1.00, 0.13, 0.00, 0.25        |
| HSL         | 188°, 100%, 37%               |
| HSV         | 188°, 100%, 75%               |
| XYZ         | 23.2227, 31.3990, 54.1269     |
| YIQ         | 119.8030, -107.2360, -27.9400 |

# Conversions

## Conversions Part 2

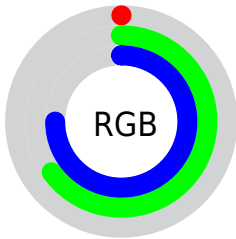
| <b>Format</b>                       | <b>Color</b>                                 |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">0, 89, 191</a>                   |
| Decimal                             | <a href="#">42943</a>                        |
| CIELab                              | <a href="#">62.84, -27.26, -22.50</a>        |
| CIELCh                              | <a href="#">63, 35.345, 219.532</a>          |
| Yxy                                 | <a href="#">31.3990, 0.2135, 0.2887</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4278233023<br/>(0xFF00A7BF)</a>  |
| YUV                                 | <a href="#">119.8030, 35.1001, -105.0672</a> |
| Hunter-Lab                          | <a href="#">56.0348, -24.0846, -18.0468</a>  |

# Details

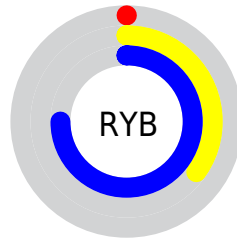
The Hex color **00A7BF** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **BF1800**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **63DEF7**, and **00738A** is the 20% darker color. If you saturate the color by 10%, you get **00A7BF**, and if you desaturate by 10%, it is **13A9BF**.

# Distribution



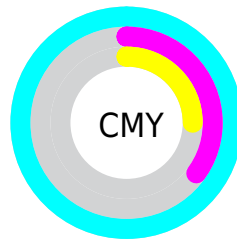
- Red (0%)
- Green (65%)
- Blue (75%)



- Red (0%)
- Yellow (35%)
- Blue (75%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (35%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00A7BF 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 00A7BF by changing the saturation by 10% instead.



 00A7BF

 00A7BF

FFFFFF

 008CA4

 63DEF7

 00738A

 83FBFF

 005A70

 A2FFFF

 004258

 C0FFFF

 002B40

 DFFFFF

 00142A

FEFFFF

 000115

 000000

 00A7BF

 13A9BF

 26ACBF

 39AEBF

 4CB1BF

 60B3BF

 73B5BF

 86B8BF

 99BABF

 ACBDBF

# Harmonies

## Analogous

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



2AA9A1



00A7BF



42A1D2

# Triad

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



00A7BF



C783AF



A39959

# Complementary

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



00A7BF



BF1800

# 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.



BF8F5E



00A7BF



D57F8F

# Square

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



00A7BF



A98CC9



D18572



81A266

# Rectangle

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



00A7BF



699BD6



D18572



AD9659



# Sweetspot

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



00A7BF



ADEEF7



00BF16



50777D



FCFCFC



7D7D7D



# Same Dimension

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



00A7BF



00D8F7



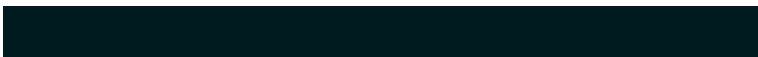
0049BF



555D5E



008A9E



001B1F



# Inverse Universe

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



BF00A7



F700D8



BF7600



5E555D



9E008A



1F001B



# Previews

## White Background



This preview shows how the Hex color 00A7BF looks on a white background.

## Color Contrast Check

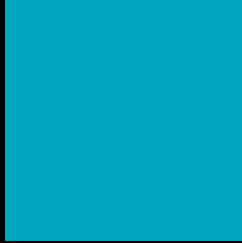
Large Text (above 18pt) WCAG AA × Fail

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 00A7BF 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 00A7BF Background



This preview shows how black text looks on a background with the Hex color 00A7BF.

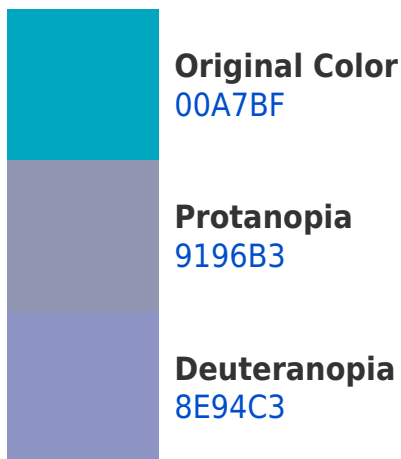


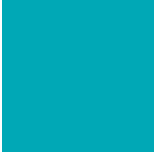
This preview shows how white text looks on a background with the Hex color 00A7BF.

# 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**  
00A8B6

# Trichromacy



**Original Color**  
00A7BF



**Protanomaly**  
5C9CB7



**Deuteranomaly**  
5A9BC2



**Tritanomaly**  
00A8B9

# Monochromacy



**Original Color**  
00A7BF



**Achromatopsia**  
787878



**Achromatomaly**  
4C8992

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00A7BF 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 #00A7BF looks like.

```
.text, #text, p{  
    color:#00A7BF  
}
```

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 #00A7BF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A7BF
}
```

## Border

The CSS property to change the border of an element to Hex 00A7BF 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
#00A7BF }
```

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

```
.border{ border-color:#00A7BF }
```

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

Here you see how a box with a 4 pixel #00A7BF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A7BF; -webkit-box-shadow:4px 4px  
4px 4px #00A7BF; box-shadow:4px 4px 4px  
4px #00A7BF }
```

# Background

The CSS property to change the background color of an element to Hex 00A7BF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A7BF }
```

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

```
.background{ background-color:#00A7BF }
```

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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