

# Converting Colors

Hex(00A5AF)

Have a look what the booklet for  
Hex(00A5AF) contains.

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# Color

Hex(00A5AF)

# Conversions

## Conversions Part 1

Format	Color
Hex	00A5AF
RGB	0, 165, 175
RGB Percent	0%, 65%, 69%
CMY	1.0000, 0.3529, 0.3137
CMYK	1.00, 0.06, 0.00, 0.31
HSL	183°, 100%, 34%
HSV	183°, 100%, 69%
XYZ	21.1930, 30.0054, 45.2321
YIQ	116.8050, -101.5500, -31.8700

# Conversions

## Conversions Part 2

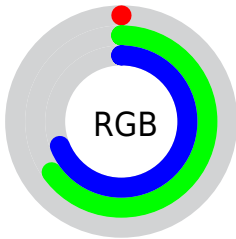
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 85, 175
Decimal	42415
CIELab	61.66, -31.54, -15.34
CIELCh	62, 35.073, 205.930
Yxy	30.0054, 0.2198, 0.3112
Android (android.graphics.Color)	4278232495 (0xFF00A5AF)
YUV	116.8050, 28.6901, -102.4380
Hunter-Lab	54.7772, -26.7994, -10.6145

# Details

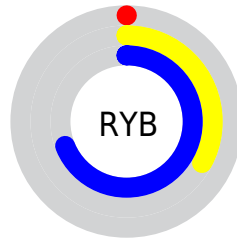
The Hex color **00A5AF** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **AF0A00**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **60DCE7**, and **00717B** is the 20% darker color. If you saturate the color by 10%, you get **00A5AF**, and if you desaturate by 10%, it is **11A6AF**.

# Distribution



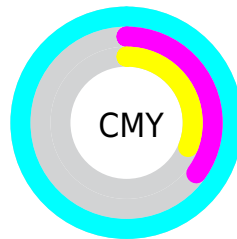
- Red (0%)
- Green (65%)
- Blue (69%)



- Red (0%)
- Yellow (33%)
- Blue (69%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (35%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00A5AF 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 00A5AF by changing the saturation by 10% instead.



 00A5AF

 00A5AF


FFFFFF

 008A94

 60DCE7

 00717B

 7FF9FF

 005862

 9EFFFF

 00404A

 BCFFFF

 002933

 DBFFFF

 000D1F

 F9FFFF

 000002

 000000

 00A5AF

 11A6AF

 23A7AF

 35A8AF

 46A9AF

 58AAAF

 69ABAF

 7AACAF

 8CADAF

 9EAEAF

# Harmonies

## Analogous

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



3EA58F



00A5AF



22A1C8

# Triad

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



00A5AF



B883B8



AD9257

# Complementary

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



00A5AF



AF0A00

# 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.



C58762



00A5AF



CD7D9A

# Square

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



00A5AF



928ECD



D17E7B



8E9B5C

# Rectangle

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



00A5AF



4C9CD1



D17E7B



B68E59



# Sweetspot

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



00A5AF



9FDFE3



00AF09



497073



F2F2F2



737373



# Same Dimension

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



00A5AF



00D6E3



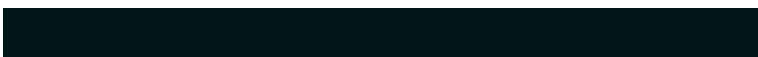
004FAF



4E5657



008E96



001617



# Inverse Universe

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



AF00A5



E300D6



AF6000



574E56



96008E



170016



# Previews

## White Background



This preview shows how the Hex color 00A5AF looks on a white background.

## Color Contrast Check

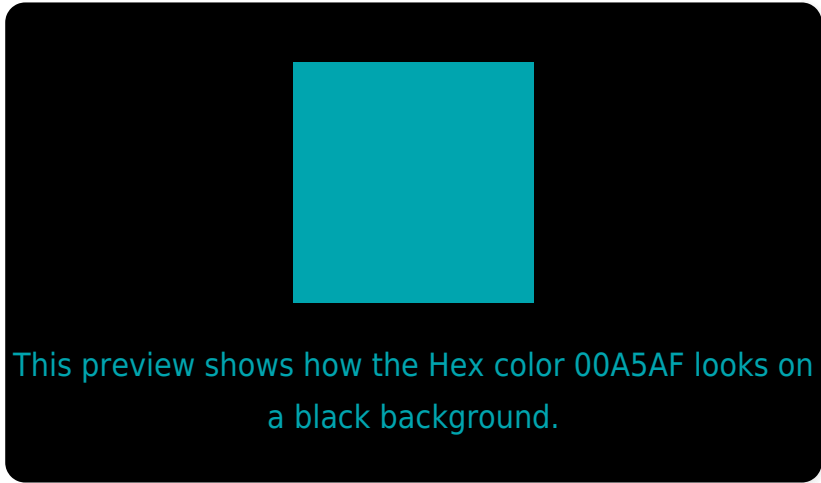
Large Text (above 18pt) WCAG AA ✓ Pass

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

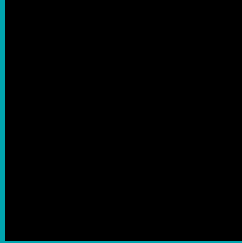
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00A5AF Background



This preview shows how black text looks on a background with the Hex color 00A5AF.

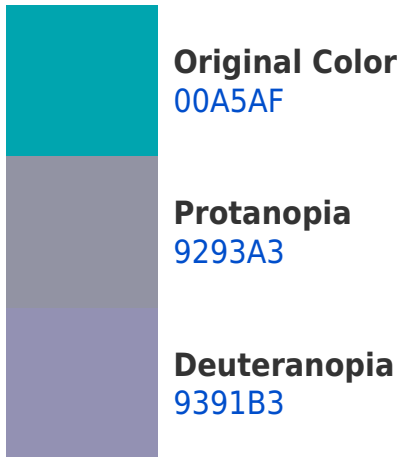


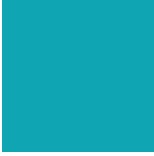
This preview shows how white text looks on a background with the Hex color 00A5AF.

# 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



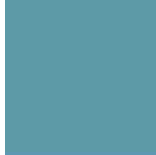


**Tritanopia**  
10A5B2

# Trichromacy



**Original Color**  
00A5AF



**Protanomaly**  
5D9AA7



**Deuteranomaly**  
5E98B2



**Tritanomaly**  
0AA5B1

# Monochromacy



**Original Color**  
00A5AF



**Achromatopsia**  
757575



**Achromatomaly**  
4A868A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00A5AF 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 #00A5AF looks like.

```
.text, #text, p{  
    color:#00A5AF  
}
```

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 #00A5AF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A5AF
}
```

## Border

The CSS property to change the border of an element to Hex 00A5AF 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
#00A5AF }
```

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

```
.border{ border-color:#00A5AF }
```

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

Here you see how a box with a 4 pixel #00A5AF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A5AF; -webkit-box-shadow:4px 4px  
4px 4px #00A5AF; box-shadow:4px 4px 4px  
4px #00A5AF }
```

# Background

The CSS property to change the background color of an element to Hex 00A5AF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A5AF }
```

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

```
.background{ background-color:#00A5AF }
```

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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