

# Converting Colors

Hex(00AFA5)

Have a look what the booklet for  
Hex(00AFA5) contains.

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# Color

Hex(00AFA5)

# Conversions

## Conversions Part 1

Format	Color
Hex	00AFA5
RGB	0, 175, 165
RGB Percent	0%, 69%, 65%
CMY	1.0000, 0.3137, 0.3529
CMYK	1.00, 0.00, 0.06, 0.31
HSL	177°, 100%, 34%
HSV	177°, 100%, 69%
XYZ	22.1215, 33.3766, 40.8737
YIQ	121.5350, -101.0900, -40.2100

# Conversions

## Conversions Part 2

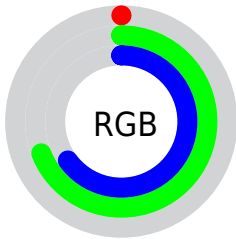
Format	Color
RYB	0, 90, 175
Decimal	44965
CIELab	64.46, -39.27, -5.54
CIELCh	64, 39.660, 188.034
Yxy	33.3766, 0.2295, 0.3463
Android (android.graphics.Color)	4278235045 (0xFF00AFA5)
YUV	121.5350, 21.4282, -106.5862
Hunter-Lab	57.7724, -32.7528, -1.5067

# Details

The Hex color **00AFA5** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **AF000A**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **60E7DC**, and **007A71** is the 20% darker color. If you saturate the color by 10%, you get **00AFA5**, and if you desaturate by 10%, it is **11AFA6**.

# Distribution



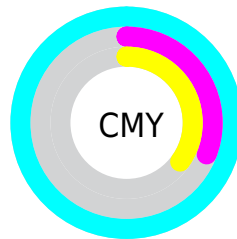
- Red (0%)
- Green (69%)
- Blue (65%)



- Red (0%)
- Yellow (35%)
- Blue (69%)



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



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 00AFA5 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 00AFA5 by changing the saturation by 10% instead.



 00AFA5

 00AFA5

FFFFFF

 00948B

 60E7DC

 007A71

 80FFF8

 006059

 9FFFFFF

 004742

 BDFFFF

 00302C


 DBFFFF

 001917

 FAFFFF

 000000

 00AFA5

 11AFA6

 23AFA7

 35AFA8

 46AFA9

 58AFAA

 69AFAB

 7AAFAC

 8CAFAD

 9EAFAE

# Harmonies

## Analogous

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



56AD81



00AFA5



00ADC7

# Triad

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



00AFA5



AC90D4



C8915B

# Complementary

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



00AFA5



AF000A

# 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.



DC8572



00AFA5



D084B8

# Square

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



00AFA5



769DE2



E08094



AA9D55

# Rectangle

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



00AFA5



00AAD8



E08094



D18D61



# Sweetspot

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



00AFA5



9FE3DF



0CAF00



497370



F2F2F2



737373

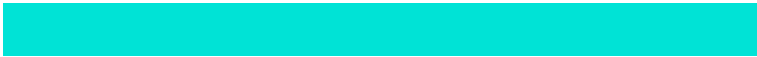


# Same Dimension

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



00AFA5



00E3D6



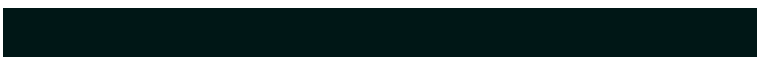
0063AF



4E5756



00968E



001716



# Inverse Universe

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



AF000A



E3000D



AF4C00



574E4F



960009

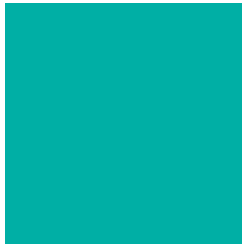


170001



# Previews

## White Background



This preview shows how the Hex color 00AFA5 looks on a white background.

## Color Contrast Check

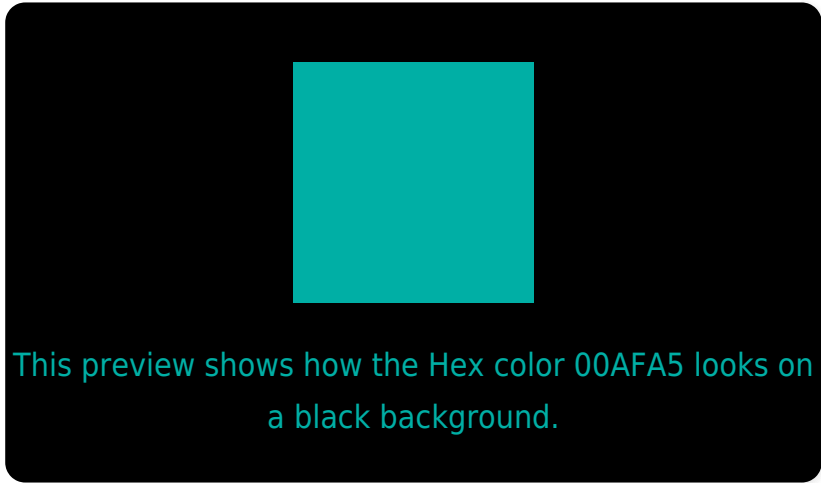
Large Text (above 18pt) WCAG AA × Fail

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

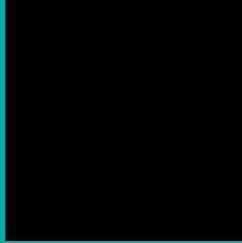
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00AFA5 Background



This preview shows how black text looks on a background with the Hex color 00AFA5.

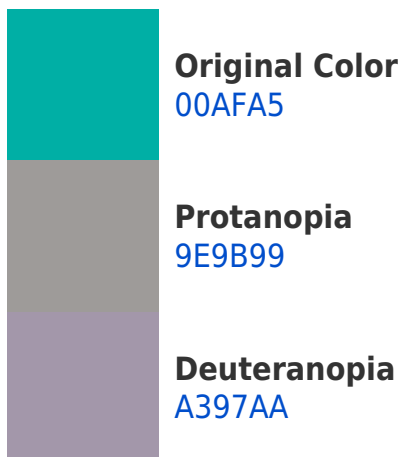


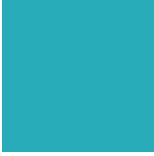
This preview shows how white text looks on a background with the Hex color 00AFA5.

# 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**  
00AFA5



**Protanomaly**  
65A29D



**Deuteranomaly**  
68A0A8



**Tritanomaly**  
19ADB2

# Monochromacy



**Original Color**  
00AFA5



**Achromatopsia**  
7A7A7A



**Achromatomaly**  
4E8D8A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00AFA5 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 #00AFA5 looks like.

```
.text, #text, p{  
    color:#00AFA5  
}
```

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 #00AFA5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AFA5
}
```

## Border

The CSS property to change the border of an element to Hex 00AFA5 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
#00AFA5 }
```

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

```
.border{ border-color:#00AFA5 }
```

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

Here you see how a box with a 4 pixel #00AFA5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AFA5; -webkit-box-shadow:4px 4px  
4px 4px #00AFA5; box-shadow:4px 4px 4px  
4px #00AFA5 }
```

# Background

The CSS property to change the background color of an element to Hex 00AFA5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AFA5 }
```

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

```
.background{ background-color:#00AFA5 }
```

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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