

Converting Colors

Hex(00AFB5)

Have a look what the booklet for
Hex(00AFB5) contains.

Hex(00AFB5)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(00AFB5)

Conversions

Conversions Part 1

Format	Color
Hex	00AFB5
RGB	0, 175, 181
RGB Percent	0%, 69%, 71%
CMY	1.0000, 0.3137, 0.2902
CMYK	1.00, 0.03, 0.00, 0.29
HSL	182°, 100%, 35%
HSV	182°, 100%, 71%
XYZ	23.6705, 33.9961, 49.0304
YIQ	123.3590, -106.2260, -35.2340

Conversions

Conversions Part 2

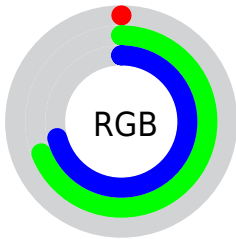
Format	Color
RYB	0, 89, 181
Decimal	44981
CIELab	64.96, -34.39, -13.71
CIELCh	65, 37.020, 201.738
Yxy	33.9961, 0.2218, 0.3186
Android (android.graphics.Color)	4278235061 (0xFF00AFB5)
YUV	123.3590, 28.4170, -108.1858
Hunter-Lab	58.3062, -29.5706, -9.0433

Details

The Hex color **00AFB5** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **B50600**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **63E7ED**, and **007A80** is the 20% darker color. If you saturate the color by 10%, you get **00AFB5**, and if you desaturate by 10%, it is **12B0B5**.

Distribution



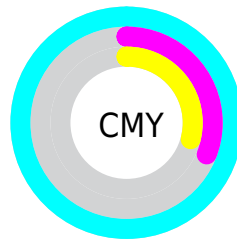
- Red (0%)
- Green (69%)
- Blue (71%)



- Red (0%)
- Yellow (35%)
- Blue (71%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00AFB5 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 00AFB5 by changing the saturation by 10% instead.

 00AFB5

 00AFB5

FFFFFF

 00949A

 63E7ED

 007A80

 82FFFF

 006067

 A1FFFF

 00484F

 C0FFFF

 003138

 DEFFFF

 001B23

FDFFFF

 00000C

 000000

 00AFB5

 12B0B5

 24B0B5

 36B1B5

 48B1B5

 5BB2B5

 6DB3B5

 7FB3B5

 91B4B5

 A3B4B5

Harmonies

Analogous

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



47AF93



00AFB5



12ABD1

Triad

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



00AFB5



BE8CC7



BB985C

Complementary

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



00AFB5



B50600

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.



D38D6B



00AFB5



D884A8

Square

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



00AFB5



9498DB



DE8587



9BA35F

Rectangle

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



00AFB5



46A7DC



DE8587



C5955F

Sweetspot

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



00AFB5



A4E8EB



00B503



4B7475



F5F5F5



757575

Same Dimension

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



00AFB5



00E3EB



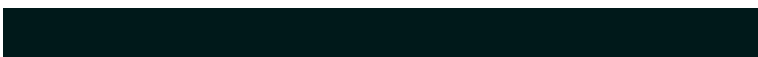
0057B5



505959



009499



00191A

Inverse Universe

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



B500AF



EB00E3



B55E00



595059



990094



1A0019

Previews

White Background



This preview shows how the Hex color 00AFB5 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 00AFB5 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

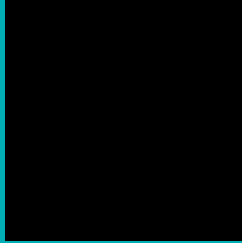
Any Text WCAG AA ✓ Pass

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 00AFB5 Background



This preview shows how black text looks on a background with the Hex color 00AFB5.

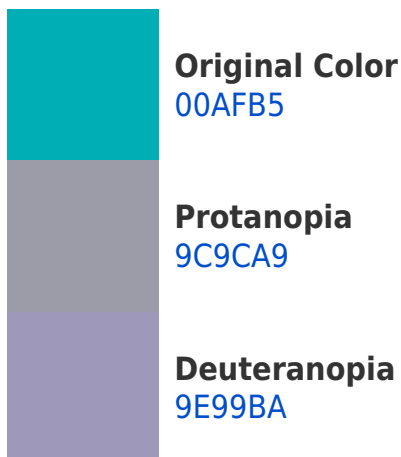


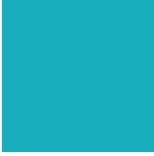
This preview shows how white text looks on a background with the Hex color 00AFB5.

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



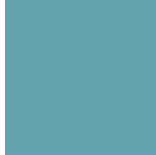


Tritanopia
19AEB3

Trichromacy



Original Color
00AFB5



Protanomaly
63A3AD



Deuteranomaly
65A1B8



Tritanomaly
10AEB9

Monochromacy



Original Color
00AFB5



Achromatopsia
7B7B7B



Achromatomaly
4E8E90

CSS Examples

Text

The CSS property to change the color of the text to Hex 00AFB5 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 #00AFB5 looks like.

```
.text, #text, p{  
    color:#00AFB5  
}
```

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 #00AFB5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AFB5
}
```

Border

The CSS property to change the border of an element to Hex 00AFB5 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
#00AFB5 }
```

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

```
.border{ border-color:#00AFB5 }
```

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

Here you see how a box with a 4 pixel #00AFB5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AFB5; -webkit-box-shadow:4px 4px  
4px 4px #00AFB5; box-shadow:4px 4px 4px  
4px #00AFB5 }
```

Background

The CSS property to change the background color of an element to Hex 00AFB5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AFB5 }
```

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

```
.background{ background-color:#00AFB5 }
```

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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