

Converting Colors

Hex(00ACB6)

Have a look what the booklet for
Hex(00ACB6) contains.

Hex(00ACB6)	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(00ACB6)

Conversions

Conversions Part 1

Format	Color
Hex	00ACB6
RGB	0, 172, 182
RGB Percent	0%, 67%, 71%
CMY	1.0000, 0.3255, 0.2863
CMYK	1.00, 0.05, 0.00, 0.29
HSL	183°, 100%, 36%
HSV	183°, 100%, 71%
XYZ	23.1960, 32.8824, 49.3804
YIQ	121.7120, -105.7220, -33.3540

Conversions

Conversions Part 2

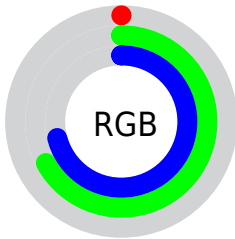
Format	Color
RYB	0, 88, 182
Decimal	44214
CIELab	64.07, -32.65, -15.62
CIELCh	64, 36.192, 205.561
Yxy	32.8824, 0.2200, 0.3118
Android (android.graphics.Color)	4278234294 (0xFF00ACB6)
YUV	121.7120, 29.7220, -106.7414
Hunter-Lab	57.3432, -28.1452, -10.9166

Details

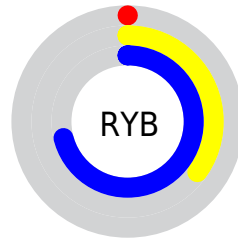
The Hex color **00ACB6** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **B60A00**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **62E4EE**, and **007781** is the 20% darker color. If you saturate the color by 10%, you get **00ACB6**, and if you desaturate by 10%, it is **12ADB6**.

Distribution



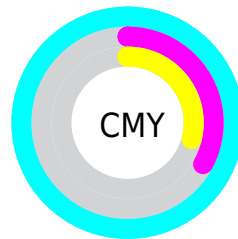
- Red (0%)
- Green (67%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00ACB6 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 00ACB6 by changing the saturation by 10% instead.

 00ACB6

 00ACB6

FFFFFF

 00919B

 62E4EE

 007781

 82FFFF

 005E68

 A1FFFF

 004650

 BFFFFFF

 002E39

 DEFFF

 001824

FDFFF

 00010D

 000000

 00ACB6

 12ADB6

 24AEB6

 37AFB6

 49B0B6

 5BB1B6

 6DB2B6

 7FB3B6

 92B4B6

 A4B5B6

Harmonies

Analogous

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



42AC95



00ACB6



23A8D0

Triad

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



00ACB6



BF89C0



B5985A

Complementary

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



00ACB6



B60A00

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.



CD8C67



00ACB6



D682A1

Square

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



00ACB6



9895D5



DA8481



94A260

Rectangle

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



00ACB6



4FA3D9



DA8481



BE945D

Sweetspot

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



00ACB6



A6E9ED



00B609



4D7578



F7F7F7



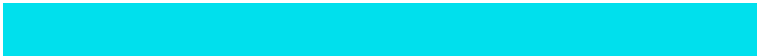
787878

Same Dimension

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



00ACB6



00E0ED



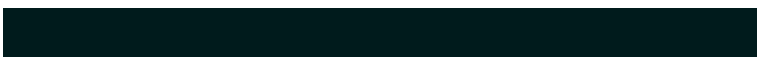
0052B6



535B5C



00939C



001B1C

Inverse Universe

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



B600AC



ED00E0



B66400



5C535B



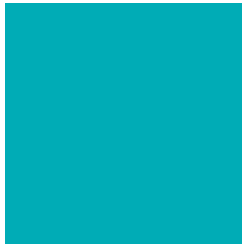
9C0093



1C001B

Previews

White Background



This preview shows how the Hex color 00ACB6 looks on a white background.

Color Contrast Check

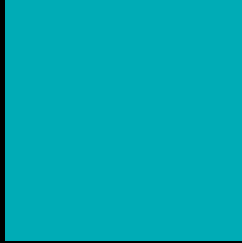
Large Text (above 18pt) WCAG AA × Fail

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 00ACB6 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

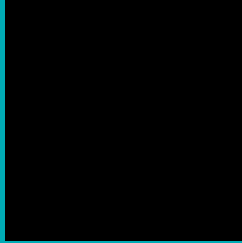
Any Text WCAG AA ✓ Pass

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 00ACB6 Background



This preview shows how black text looks on a background with the Hex color 00ACB6.

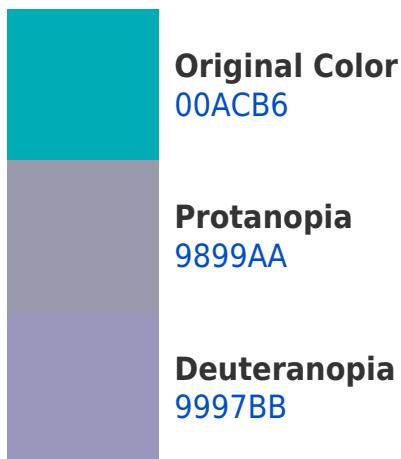


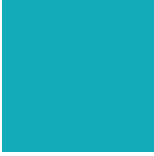
This preview shows how white text looks on a background with the Hex color 00ACB6.

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
12ABB9

Trichromacy



Original Color
00ACB6



Protanomaly
61A0AE



Deuteranomaly
619FB9



Tritanomaly
0BABB8

Monochromacy



Original Color
00ACB6



Achromatopsia
7A7A7A



Achromatomaly
4E8C90

CSS Examples

Text

The CSS property to change the color of the text to Hex 00ACB6 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 #00ACB6 looks like.

```
.text, #text, p{  
    color:#00ACB6  
}
```

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 #00ACB6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00ACB6
}
```

Border

The CSS property to change the border of an element to Hex 00ACB6 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
#00ACB6 }
```

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

```
.border{ border-color:#00ACB6 }
```

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

Here you see how a box with a 4 pixel #00ACB6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00ACB6; -webkit-box-shadow:4px 4px  
4px 4px #00ACB6; box-shadow:4px 4px 4px  
4px #00ACB6 }
```

Background

The CSS property to change the background color of an element to Hex 00ACB6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00ACB6 }
```

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

```
.background{ background-color:#00ACB6 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor