

# Converting Colors

Hex(00ACA5)

Have a look what the booklet for  
Hex(00ACA5) contains.

<b>Hex(00ACA5)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(00ACA5)

# Conversions

## Conversions Part 1

Format	Color
Hex	00ACA5
RGB	0, 172, 165
RGB Percent	0%, 67%, 65%
CMY	1.0000, 0.3255, 0.3529
CMYK	1.00, 0.00, 0.04, 0.33
HSL	178°, 100%, 34%
HSV	178°, 100%, 67%
XYZ	21.5441, 32.2217, 40.6812
YIQ	119.7740, -100.2650, -38.6410

# Conversions

## Conversions Part 2

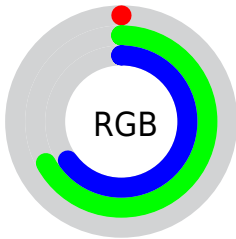
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 88, 172
Decimal	44197
CIELab	63.53, -37.92, -6.94
CIELCh	64, 38.552, 190.363
Yxy	32.2217, 0.2281, 0.3412
Android (android.graphics.Color)	4278234277 (0xFF00ACA5)
YUV	119.7740, 22.2964, -105.0418
Hunter-Lab	56.7641, -31.5900, -2.7566

# Details

The Hex color **00ACA5** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **AC0007**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **60E4DC**, and **007771** is the 20% darker color. If you saturate the color by 10%, you get **00ACA5**, and if you desaturate by 10%, it is **11ACA6**.

# Distribution



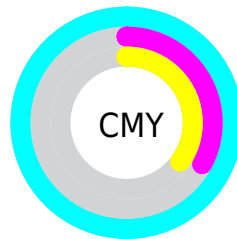
- Red (0%)
- Green (67%)
- Blue (65%)



- Red (0%)
- Yellow (35%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00ACA5 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 00ACA5 by changing the saturation by 10% instead.



 00ACA5

 00ACA5

FFFFFF

 00918B

 60E4DC

 007771

 7FFFFFF8

 005D59

 9EFFFF

 004542

 BCFFFF

 002E2C

 DAFFFF

 001517

 F9FFFF

 000000

 00ACA5

 11ACA6

 22ACA6

 34ACA7

 45ACA8

 56ACA9

 67ACA9

 78ACAA

 8AACAB

 9BACAB

# Harmonies

## Analogous

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



52AA82



00ACA5



00AAC5

# Triad

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



00ACA5



AD8CCE



C39059

# Complementary

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



00ACA5



AC0007

# 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.



D7846F



00ACA5



CE82B2

# Square

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



00ACA5



7A99DD



DC7E8F



A49C55

# Rectangle

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



00ACA5



0CA6D5



DC7E8F



CB8C5F



# Sweetspot

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



00ACA5



9DE0DE



09AC00



48706F



F0F0F0



707070



# Same Dimension

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



00ACA5



00E0D7



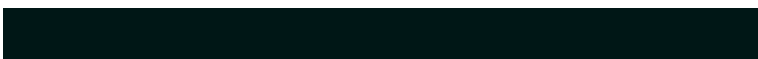
005FAC



4E5756



009690



001716



# Inverse Universe

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



AC0007



E00009



AC4D00



574E4E



960006



170001



# Previews

## White Background



This preview shows how the Hex color 00ACA5 looks on a white background.

## Color Contrast Check

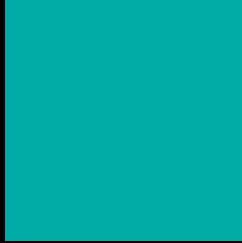
Large Text (above 18pt) WCAG AA × Fail

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 00ACA5 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

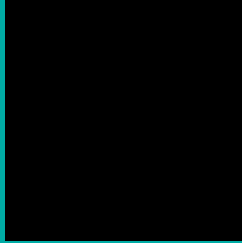
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00ACA5 Background



This preview shows how black text looks on a background with the Hex color 00ACA5.

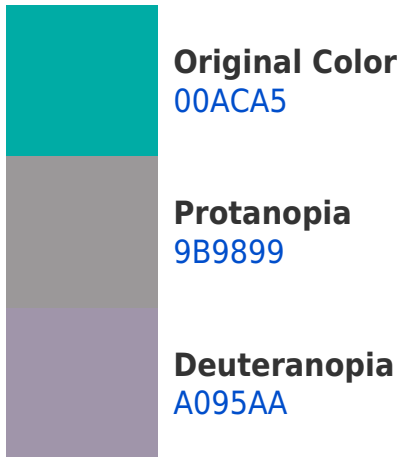


This preview shows how white text looks on a background with the Hex color 00ACA5.

# 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**  
25A9B7

# Trichromacy



**Original Color**  
00ACA5



**Protanomaly**  
639F9D



**Deuteranomaly**  
669DA8



**Tritanomaly**  
18AAB0

# Monochromacy



**Original Color**  
00ACA5



**Achromatopsia**  
787878



**Achromatomaly**  
4C8B88

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00ACA5 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 #00ACA5 looks like.

```
.text, #text, p{  
    color:#00ACA5  
}
```

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 #00ACA5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00ACA5  
}
```

## Border

The CSS property to change the border of an element to Hex 00ACA5 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  
#00ACA5 }
```

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

```
.border{ border-color:#00ACA5 }
```

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

Here you see how a box with a 4 pixel #00ACA5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00ACA5; -webkit-box-shadow:4px 4px  
4px 4px #00ACA5; box-shadow:4px 4px 4px  
4px #00ACA5 }
```

# Background

The CSS property to change the background color of an element to Hex 00ACA5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00ACA5 }
```

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

```
.background{ background-color:#00ACA5 }
```

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