

# Converting Colors

Hex(00ACD2)

Have a look what the booklet for  
Hex(00ACD2) contains.

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# **Color**

**Hex(00ACD2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00ACD2
RGB	0, 172, 210
RGB Percent	0%, 67%, 82%
CMY	1.0000, 0.3255, 0.1765
CMYK	1.00, 0.18, 0.00, 0.18
HSL	191°, 100%, 41%
HSV	191°, 100%, 82%
XYZ	26.3854, 34.1582, 66.1753
YIQ	124.9040, -114.7100, -24.6460

# Conversions

## Conversions Part 2

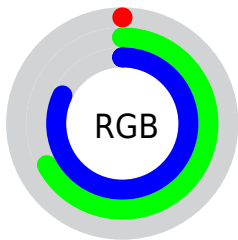
Format	Color
R <sub>YB</sub>	0, 95, 210
Decimal	44242
CIE Lab	65.09, -23.35, -29.60
CIE LCh	65, 37.702, 231.740
Yxy	34.1582, 0.2082, 0.2696
Android (android.graphics.Color)	4278234322 (0xFF00ACD2)
YUV	124.9040, 41.9523, -109.5408
Hunter-Lab	58.4450, -21.6938, -26.2205

# Details

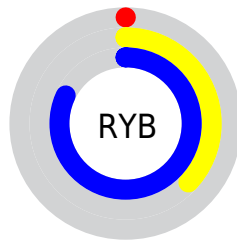
The Hex color **00ACD2** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **D22600**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **67E4FF**, and **00779B** is the 20% darker color. If you saturate the color by 10%, you get **00ACD2**, and if you desaturate by 10%, it is **15B0D2**.

# Distribution



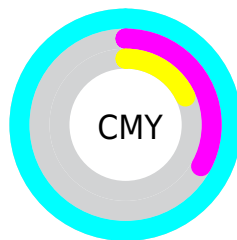
- Red (0%)
- Green (67%)
- Blue (82%)



- Red (0%)
- Yellow (37%)
- Blue (82%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (33%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00ACD2 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 00ACD2 by changing the saturation by 10% instead.



 00ACD2

 00ACD2

FFFFFF

 0091B6

 67E4FF

 00779B

 88FFFF

 005F81

 A7FFFF

 004768


 C6FFFF

 003050

 E5FFFF

 001D38

 000223

 000009

 000000

 00ACD2

 15B0D2

 2AB4D2

 3FB7D2

 54BBD2

 69BFD2

 7EC3D2

 93C7D2

 A8CAD2

 BDCED2

# Harmonies

## Analogous

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



00B0B6



00ACD2



5AA4E0

# Triad

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



00ACD2



D984A9



9BA45E

# Complementary

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



00ACD2



D22600

# 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.



BC995B



00ACD2



DF8587

# Square

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



00ACD2



BF8CC8



D48D6A



74AB73

# Rectangle

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



00ACD2



829DE0



D48D6A



A7A05B

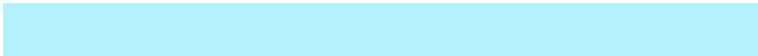


# Sweetspot

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



00ACD2



B3F1FF



00D223



527780



000000



808080

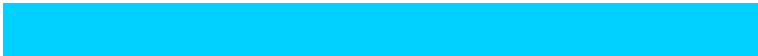


# Same Dimension

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



00ACD2



00D1FF



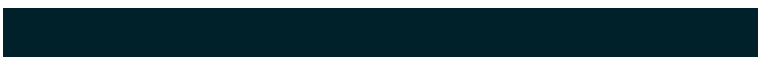
0046D2



5E6769



008AA8



002129



# Inverse Universe

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



D200AC



FF00D1



D28C00



695E67



A8008A



290021



# Previews

## White Background



This preview shows how the Hex color 00ACD2 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 00ACD2 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 00ACD2 Background



This preview shows how black text looks on a background with the Hex color 00ACD2.

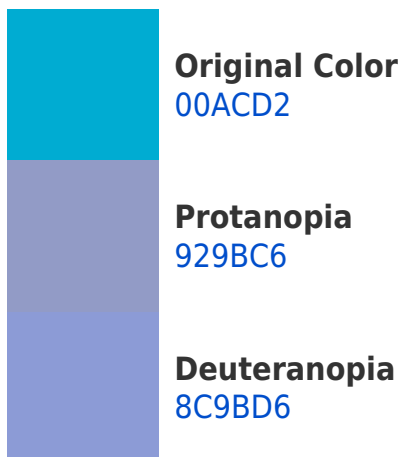


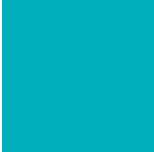
This preview shows how white text looks on a background with the Hex color 00ACD2.

# 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**  
00AFBC

# Trichromacy



**Original Color**  
00ACD2



**Protanomaly**  
5DA1CA



**Deuteranomaly**  
59A1D5



**Tritanomaly**  
00AEC4

# Monochromacy



**Original Color**  
00ACD2



**Achromatopsia**  
7D7D7D



**Achromatomaly**  
508E9C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00ACD2 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 #00ACD2 looks like.

```
.text, #text, p{  
    color:#00ACD2  
}
```

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 #00ACD2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00ACD2
}
```

## Border

The CSS property to change the border of an element to Hex 00ACD2 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
#00ACD2 }
```

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

```
.border{ border-color:#00ACD2 }
```

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

Here you see how a box with a 4 pixel #00ACD2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00ACD2; -webkit-box-shadow:4px 4px  
4px 4px #00ACD2; box-shadow:4px 4px 4px  
4px #00ACD2 }
```

# Background

The CSS property to change the background color of an element to Hex 00ACD2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00ACD2 }
```

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

```
.background{ background-color:#00ACD2 }
```

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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