

# Converting Colors

Hex(00CCDD)

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

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# Color

Hex(00CCDD)

# Conversions

## Conversions Part 1

Format	Color
Hex	00CCDD
RGB	0, 204, 221
RGB Percent	0%, 80%, 87%
CMY	1.0000, 0.2000, 0.1333
CMYK	1.00, 0.08, 0.00, 0.13
HSL	185°, 100%, 43%
HSV	185°, 100%, 87%
XYZ	34.6440, 48.4062, 75.9240
YIQ	144.9420, -127.0410, -37.9610

# Conversions

## Conversions Part 2

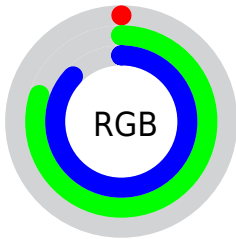
Format	Color
<a href="#">RYB</a>	<a href="#">0, 106, 221</a>
Decimal	<a href="#">52445</a>
CIELab	<a href="#">75.08, -35.42, -20.32</a>
CIELCh	<a href="#">75, 40.837, 209.835</a>
Yxy	<a href="#">48.4062, 0.2179, 0.3045</a>
Android (android.graphics.Color)	<a href="#">4278242525 (0xFF00CCDD)</a>
YUV	<a href="#">144.9420, 37.4966, -127.1141</a>
Hunter-Lab	<a href="#">69.5746, -32.8730, -15.9987</a>

# Details

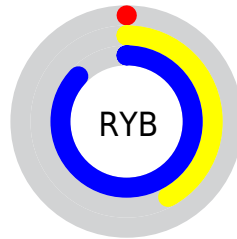
The Hex color **00CCDD** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **DD1100**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **6DFFFF**, and **0095A6** is the 20% darker color. If you saturate the color by 10%, you get **00CCDD**, and if you desaturate by 10%, it is **16CEDD**.

# Distribution



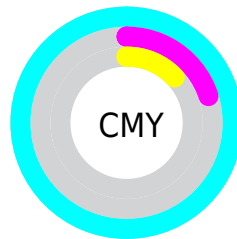
- Red (0%)
- Green (80%)
- Blue (87%)



- Red (0%)
- Yellow (42%)
- Blue (87%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (20%)
- Yellow (13%)

# Brightness & Saturation Gradients

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



 00CCDD

 00CCDD

FFFFFF

 00B0C1

 6DFFFF

 0095A6

 8FFFFFFF

 007B8C

 AFFFFFFF

 006272

 CEFFFF

 00495A

 EEEFFF

 003242

 001C2C

 000117

 000000

 00CCDD

 16CEDD

 2CCFDD

 42D1DD

 58D3DD

 6FD5DD

 85D6DD

 9BD8DD

 B1DADD

 C7DBDD

# Harmonies

## Analogous

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



49CDB7



00CCDD



3AC7F9

# Triad

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



00CCDD



E8A2DF



D2B76D

# Complementary

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



00CCDD



DD1100

# 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.



F0A979



00CCDD



FF9BBB

# Square

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



00CCDD



BDAFFA



FF9F95



ABC276

# Rectangle

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



00CCDD



6BC0FF



FF9F95



DDB26F



# Sweetspot

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



00CCDD



B3F9FF



00DD0F



527C80



000000



808080

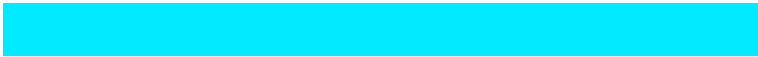


# Same Dimension

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



00CCDD



00EBFF



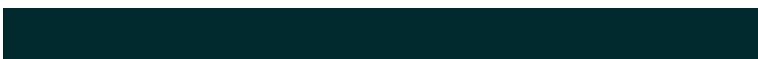
0060DD



636D6E



00A0AD



002A2E



# Inverse Universe

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



DD00CC



FF00EB



DD7D00



6E636D



AD00A0

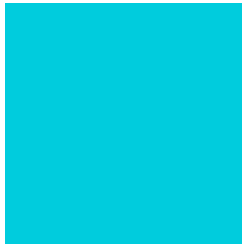


2E002A



# Previews

## White Background



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

## Color Contrast Check

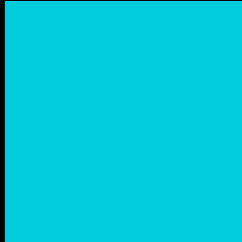
Large Text (above 18pt) WCAG AA × Fail

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 00CCDD looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

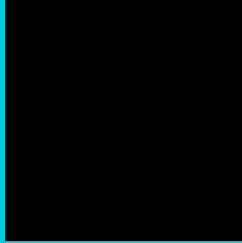
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00CCDD Background



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



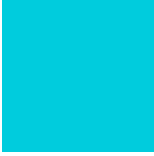
This preview shows how white text looks on a background with the Hex color 00CCDD.

# 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**  
00CCDD

# Trichromacy



**Original Color**

00CCDD



**Protanomaly**

73BED4



**Deuteranomaly**

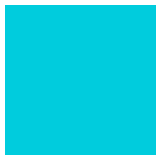
72BDE0



**Tritanomaly**

00CCDD

# Monochromacy



**Original Color**

00CCDD



**Achromatopsia**

919191



**Achromatomaly**

5CA6AD

# CSS Examples

## Text

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

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

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 #00CCDD colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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