

Converting Colors

Hex(02BBD2)

Have a look what the booklet for
Hex(02BBD2) contains.

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Color

Hex(02BBD2)

Conversions

Conversions Part 1

Format	Color
Hex	02BBD2
RGB	2, 187, 210
RGB Percent	1%, 73%, 82%
CMY	0.9922, 0.2667, 0.1765
CMYK	0.99, 0.11, 0.00, 0.18
HSL	187°, 98%, 42%
HSV	187°, 99%, 82%
XYZ	29.4282, 40.2067, 67.1824
YIQ	134.3070, -117.6430, -32.0670

Conversions

Conversions Part 2

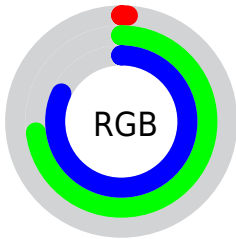
Format	Color
R _Y B	2, 100, 210
Decimal	179154
CIE Lab	69.62, -30.78, -22.65
CIE LCh	70, 38.217, 216.349
Yxy	40.2067, 0.2151, 0.2939
Android (android.graphics.Color)	4278369234 (0xFF02BBD2)
YUV	134.3070, 37.3166, -116.0332
Hunter-Lab	63.4088, -28.1229, -18.4324

Details

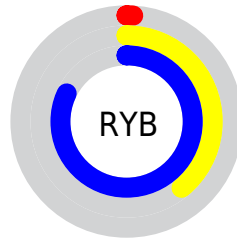
The Hex color **02BBD2** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **D21902**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **69F4FF**, and **00859B** is the 20% darker color. If you saturate the color by 10%, you get **00BBD2**, and if you desaturate by 10%, it is **17BDD2**.

Distribution



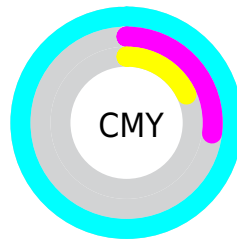
- Red (1%)
- Green (73%)
- Blue (82%)



- Red (1%)
- Yellow (39%)
- Blue (82%)



- Cyan (99%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)



- Cyan (99%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Hex color 02BBD2 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 02BBD2 by changing the saturation by 10% instead.

 02BBD2

 02BBD2

FFFFFF

 00A0B6

 69F4FF

 00859B

 8AFFFF

 006C81

 AAFFFF

 005368

 C9FFFF

 003B50

 E8FFFF

 002639

 000224

 00000C

 000000

■ 02BBD2

■ 02BBD2

■ 00BBD2

■ 17BDD2

■ 2CC0D2

■ 41C2D2

■ 56C4D2

■ 6BC7D2

■ 80C9D2

■ 95CBD2

■ AACED2

■ BFD0D2

Harmonies

Analogous

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



37BDB1



02BBD2



45B5E9

Triad

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



02BBD2



DC93C7



BAAA64

Complementary

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



02BBD2



D21902

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.



D89E6B



02BBD2



ED8FA4

Square

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



02BBD2



B89EE2



EA9483



94B471

Rectangle

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



02BBD2



70AFEF



EA9483



C5A764

Sweetspot

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



02BBD2



B3F7FF



02D217



527A80



000000



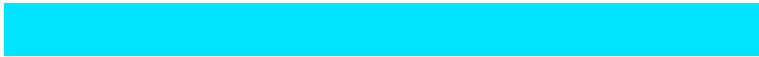
808080

Same Dimension

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



02BBD2



00E3FF



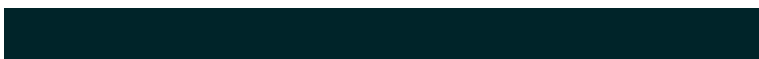
0255D2



5E6769



0096A8



002429

Inverse Universe

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



D202BB



FF00E3



D27F02



695E67



A80096



290024

Previews

White Background



This preview shows how the Hex color 02BBD2 looks on a white background.

Color Contrast Check

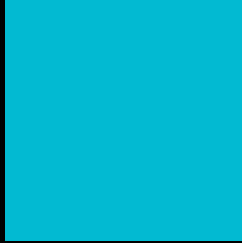
Large Text (above 18pt) WCAG AA × Fail

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 02BBD2 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

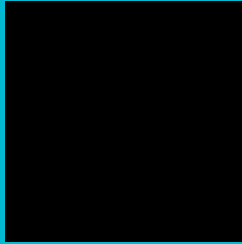
Any Text WCAG AA ✓ Pass

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 02BBD2 Background



This preview shows how black text looks on a background with the Hex color 02BBD2.

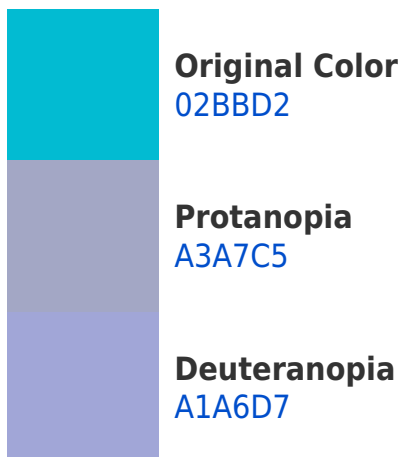


This preview shows how white text looks on a background with the Hex color 02BBD2.

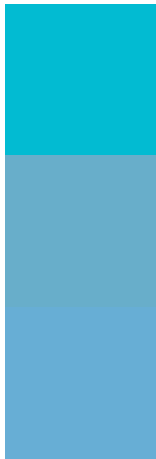
Color Blindness Simulation

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



Trichromacy

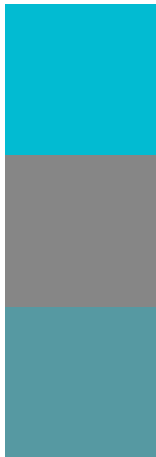


Original Color
02BBD2

Protanomaly
68AECA

Deuteranomaly
67AED5

Monochromacy



Original Color
02BBD2

Achromatopsia
868686

Achromatomaly
5699A2

CSS Examples

Text

The CSS property to change the color of the text to Hex 02BBD2 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 #02BBD2 looks like.

```
.text, #text, p{  
    color:#02BBD2  
}
```

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 #02BBD2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02BBD2
}
```

Border

The CSS property to change the border of an element to Hex 02BBD2 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
#02BBD2 }
```

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

```
.border{ border-color:#02BBD2 }
```

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

Here you see how a box with a 4 pixel #02BBD2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02BBD2; -webkit-box-shadow:4px 4px  
4px 4px #02BBD2; box-shadow:4px 4px 4px  
4px #02BBD2 }
```

Background

The CSS property to change the background color of an element to Hex 02BBD2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02BBD2 }
```

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

```
.background{ background-color:#02BBD2 }
```

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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