

Converting Colors

Hex(00BDE2)

Have a look what the booklet for
Hex(00BDE2) contains.

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Color

Hex(00BDE2)

Conversions

Conversions Part 1

Format	Color
Hex	00BDE2
RGB	0, 189, 226
RGB Percent	0%, 74%, 89%
CMY	1.0000, 0.2588, 0.1137
CMYK	1.00, 0.16, 0.00, 0.11
HSL	190°, 100%, 44%
HSV	190°, 100%, 89%
XYZ	31.9251, 41.8862, 78.3537
YIQ	136.7070, -124.5210, -28.5610

Conversions

Conversions Part 2

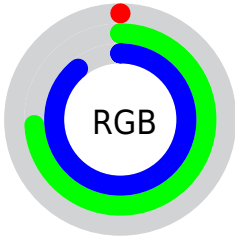
Format	Color
RYB	0, 103, 226
Decimal	48610
CIELab	70.79, -26.54, -29.58
CIELCh	71, 39.743, 228.101
Yxy	41.8862, 0.2098, 0.2753
Android (android.graphics.Color)	4278238690 (0xFF00BDE2)
YUV	136.7070, 44.0214, -119.8920
Hunter-Lab	64.7195, -25.2081, -26.4767

Details

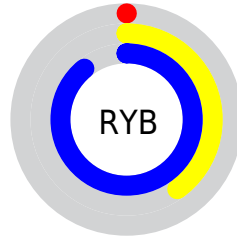
The Hex color **00BDE2** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **E22500**, and the grayscale version is **888888**.

A 20% lighter version of the original color is **6CF6FF**, and **0087AB** is the 20% darker color. If you saturate the color by 10%, you get **00BDE2**, and if you desaturate by 10%, it is **17C1E2**.

Distribution



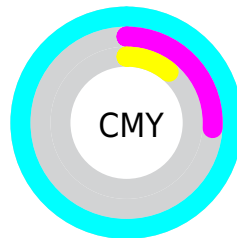
- Red (0%)
- Green (74%)
- Blue (89%)



- Red (0%)
- Yellow (40%)
- Blue (89%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (26%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00BDE2 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 00BDE2 by changing the saturation by 10% instead.

 00BDE2

 00BDE2

FFFFFF

 00A2C6

 6CF6FF

 0087AB

 8DFFFF

 006E90

 ADFFFF

 005576

 CDFFFF

 003E5D

 ECFFFF

 002845

 00092F

 00011A

 000000

 00BDE2

 17C1E2

 2DC4E2

 44C8E2

 5ACCE2

 71D0E2

 88D3E2

 9ED7E2

 B5DBE2

 CBDEE2

Harmonies

Analogous

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



10C0C2



00BDE2



5DB5F3

Triad

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



00BDE2



EA92BD



AFB267

Complementary

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



00BDE2



E22500

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.



D1A666



00BDE2



F49299

Square

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



00BDE2



CC9CDE



EA9A79



86BB7C

Rectangle

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



00BDE2



88ADF4



EA9A79



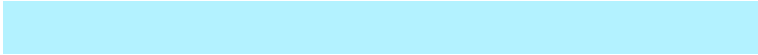
BBAE64

Sweetspot

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



00BDE2



B3F2FF



00E222



527880



000000



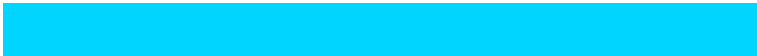
808080

Same Dimension

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



00BDE2



00D5FF



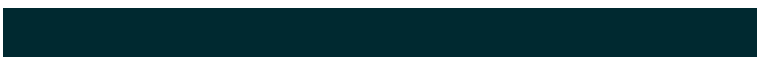
004FE2



656E70



0093B0



002930

Inverse Universe

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



E200BD



FF00D5



E29300



70656E



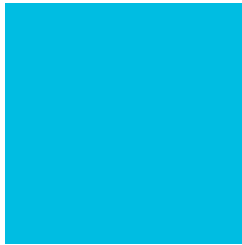
B00093



300029

Previews

White Background



This preview shows how the Hex color 00BDE2 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 00BDE2 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

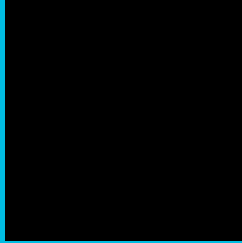
Any Text WCAG AA ✓ Pass

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 00BDE2 Background



This preview shows how black text looks on a background with the Hex color 00BDE2.

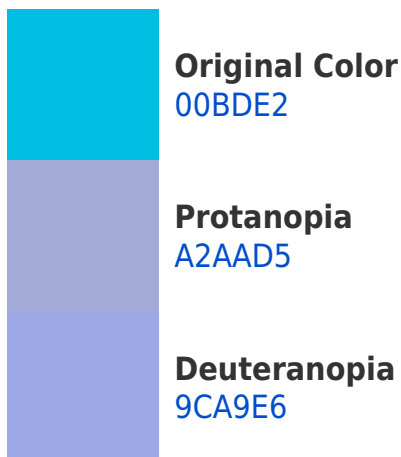


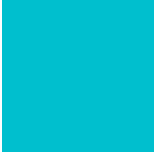
This preview shows how white text looks on a background with the Hex color 00BDE2.

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
00BFCE

Trichromacy



Original Color
00BDE2



Protanomaly
67B1DA



Deuteranomaly
63B0E5



Tritanomaly
00BED5

Monochromacy



Original Color
00BDE2



Achromatopsia
898989



Achromatomaly
579CA9

CSS Examples

Text

The CSS property to change the color of the text to Hex 00BDE2 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 #00BDE2 looks like.

```
.text, #text, p{  
    color:#00BDE2  
}
```

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 #00BDE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00BDE2
}
```

Border

The CSS property to change the border of an element to Hex 00BDE2 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
#00BDE2 }
```

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

```
.border{ border-color:#00BDE2 }
```

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

Here you see how a box with a 4 pixel #00BDE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00BDE2; -webkit-box-shadow:4px 4px  
4px 4px #00BDE2; box-shadow:4px 4px 4px  
4px #00BDE2 }
```

Background

The CSS property to change the background color of an element to Hex 00BDE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00BDE2 }
```

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

```
.background{ background-color:#00BDE2 }
```

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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