

# Converting Colors

Hex(1BDDDE)

Have a look what the booklet for  
Hex(1BDDDED) contains.

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# **Color**

**Hex(1BDDDD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1BDDDED
RGB	27, 221, 237
RGB Percent	11%, 87%, 93%
CMY	0.8941, 0.1333, 0.0706
CMYK	0.89, 0.07, 0.00, 0.07
HSL	185°, 85%, 52%
HSV	185°, 89%, 93%
XYZ	41.5945, 58.0603, 89.1353
YIQ	164.8180, -120.7600, -36.1520

# Conversions

## Conversions Part 2

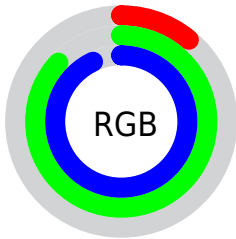
Format	Color
<a href="#">RYB</a>	<a href="#">27, 128, 237</a>
Decimal	<a href="#">1826285</a>
CIELab	<a href="#">80.77, -37.51, -20.25</a>
CIELCh	<a href="#">81, 42.628, 208.355</a>
Yxy	<a href="#">58.0603, 0.2203, 0.3075</a>
Android (android.graphics.Color)	<a href="#">4280016365 (0xFF1BDDDE)</a>
YUV	<a href="#">164.8180, 35.5857, -120.8664</a>
Hunter-Lab	<a href="#">76.1973, -35.9060, -16.0190</a>

# Details

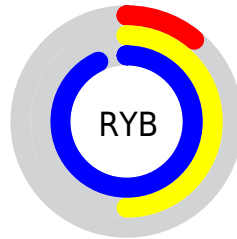
The Hex color **1BDD**ED is a light color, and the websafe version is hex **33CC**CC. The color can be described as light washed cyan. A complement of this color would be **ED2B1B**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **77FF**FF, and **00A5B5** is the 20% darker color. If you saturate the color by 10%, you get **03DB**ED, and if you desaturate by 10%, it is **33DF**ED.

# Distribution



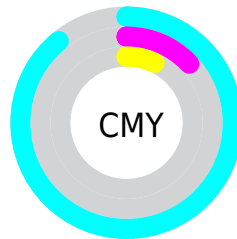
- Red (11%)
- Green (87%)
- Blue (93%)



- Red (11%)
- Yellow (50%)
- Blue (93%)



- Cyan (89%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)



- Cyan (89%)
- Magenta (13%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1BDDDED 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 1BDDDED by changing the saturation by 10% instead.



 1BDDED

FFFFFF

 77FFFF

 99FFFF

 B9FFFF

 D9FFFF

 F9FFFF

 1BDDED

 00C1D1

 00A5B5

 008B9A

 007180

 005767

 003F4F

 002938

 000723

 00000B

■ 1BDDDED

■ 1BDDDED

■ 03DBED

■ 33DFED

■ 00DBED

■ 4AE1ED

■ 62E2ED

■ 7AE4ED

■ 91E6ED

■ A9E8ED

■ C1EAED

■ D9EBED

■ FOEDED

# Harmonies

## Analogous

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



56DEC5



1BDDED



42D8FF

# Triad

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



1BDDDD



F9B1F3



E5C578

# Complementary

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



1BDDED



ED2B1B

# 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.



FFB786



1BDDDD



FFAACC

# Square

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



1BDDDE



CABFFF



FFACA5



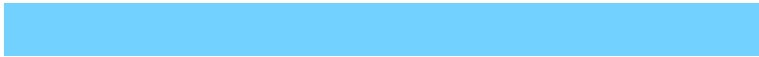
BCD181

# Rectangle

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



1BDDED



73D1FF



FFACA5



F1C17A



# Sweetspot

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



1BDDED



BAFAFF



1BED29



577C80



000000



808080



# Same Dimension

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



1BDDDD



00ECFF



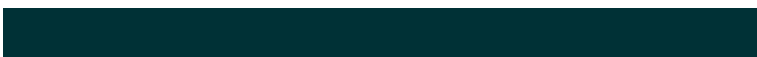
1B76ED



6A7475



00A7B5



003136



# Inverse Universe

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



ED1BDD



FF00EC



ED921B



756A74



B500A7

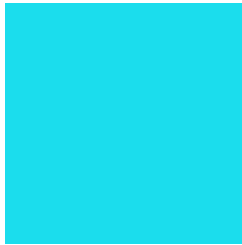


360031



# Previews

## White Background



This preview shows how the Hex color 1BDDDED looks on a white background.

## Color Contrast Check

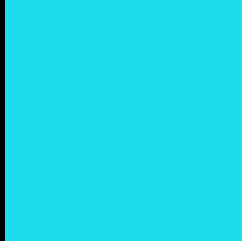
Large Text (above 18pt) WCAG AA × Fail

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 1BDDDED 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 1BDDDED Background



This preview shows how black text looks on a background with the Hex color 1BDDDED.

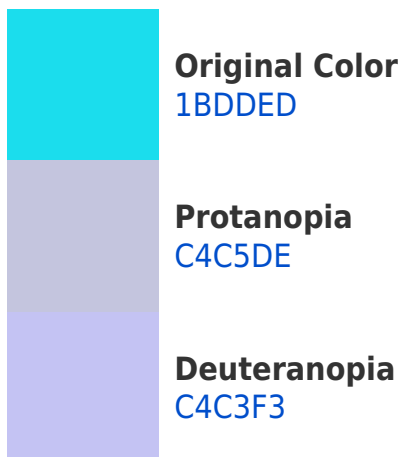


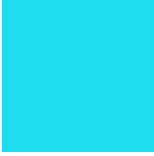
This preview shows how white text looks on a background with the Hex color 1BDDDED.

# 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](#).

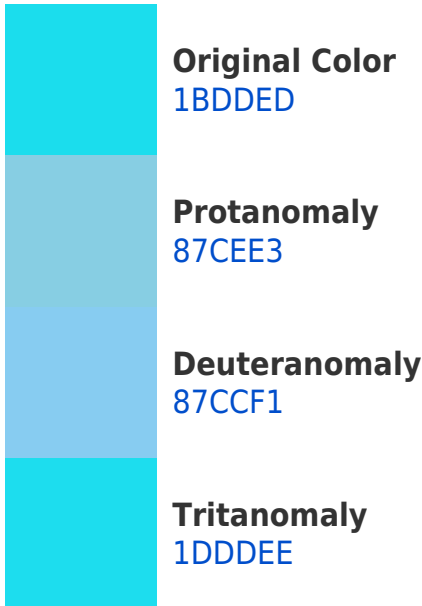
## Dichromacy



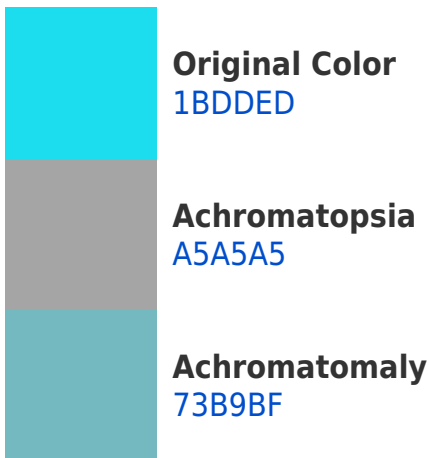


**Tritanopia**  
1EDDEF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1BDDDED 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 #1BDDDED looks like.

```
.text, #text, p{  
    color:#1BDDDED  
}
```

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 #1BDDDED colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1BDDDED
}
```

## Border

The CSS property to change the border of an element to Hex 1BDDDED 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
#1BDDDED }
```

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

```
.border{ border-color:#1BDDDED }
```

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

Here you see how a box with a 4 pixel #1BDDDED colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1BDDDED; -webkit-box-shadow:4px 4px  
4px 4px #1BDDDED; box-shadow:4px 4px 4px  
4px #1BDDDED }
```

# Background

The CSS property to change the background color of an element to Hex 1BDDDED is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1BDDDED }
```

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

```
.background{ background-color:#1BDDDED }
```

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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