

# Converting Colors

Hex(1CBDD8)

Have a look what the booklet for  
Hex(1CBDD8) contains.

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# **Color**

**Hex(1CBDD8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1CBDD8
RGB	28, 189, 216
RGB Percent	11%, 74%, 85%
CMY	0.8902, 0.2588, 0.1529
CMYK	0.87, 0.12, 0.00, 0.15
HSL	189°, 77%, 48%
HSV	189°, 87%, 85%
XYZ	31.0712, 41.5999, 71.3577
YIQ	143.9390, -104.6230, -25.7350

# Conversions

## Conversions Part 2

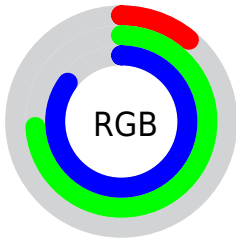
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	28, 115, 216
Decimal	1883608
CIE Lab	70.59, -28.81, -24.42
CIE LCh	71, 37.772, 220.284
Yxy	41.5999, 0.2157, 0.2888
Android (android.graphics.Color)	4280073688 (0xFF1CBDD8)
YUV	143.9390, 35.5261, -101.6785
Hunter-Lab	64.4980, -26.8813, -20.4472

# Details

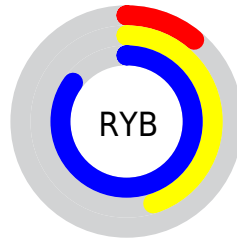
The Hex color **1CBDD8** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **D8371C**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **70F6FF**, and **0087A1** is the 20% darker color. If you saturate the color by 10%, you get **06BAD8**, and if you desaturate by 10%, it is **32C0D8**.

# Distribution



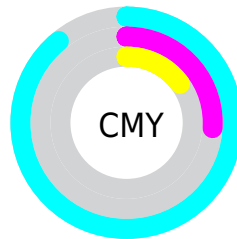
- Red (11%)
- Green (74%)
- Blue (85%)



- Red (11%)
- Yellow (45%)
- Blue (85%)



- Cyan (87%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)



- Cyan (89%)
- Magenta (26%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1CBDD8 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 1CBDD8 by changing the saturation by 10% instead.



 1CBDD8


 1CBDD8

FFFFFF

 00A2BC

 70F6FF

 0087A1

 91FFFF

 006E87

 B0FFFF

 00556D

 CFFFFFF

 003D55

 EFFFFFF

 00273E

 000728

 000112

 000000

■ 1CBDD8

■ 1CBDD8

■ 06BAD8

■ 32C0D8

■ 00B9D8

■ 47C3D8

■ 5DC6D8

■ 72C9D8

■ 88CDD8

■ 9ED0D8

■ B3D3D8

■ C9D6D8

■ DED9D8

# Harmonies

## Analogous

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



37BFB8



1CBDD8



53B7ED

# Triad

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



1CBDD8



E195C5



B8AE68

# Complementary

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



1CBDD8



D8371C

# 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.



D7A36C



1CBDD8



F092A2

# Square

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



1CBDD8



C09FE1



EB9882



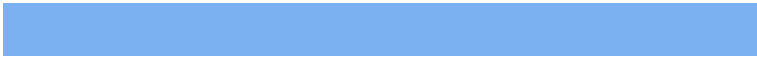
92B877

# Rectangle

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



1CBDD8



7BB0F1



EB9882



C3AB67

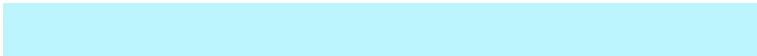


# Sweetspot

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



1CBDD8



BDF5FF



1CD835



587A80



000000



808080

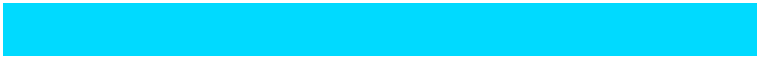


# Same Dimension

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



1CBDD8



00DAFF



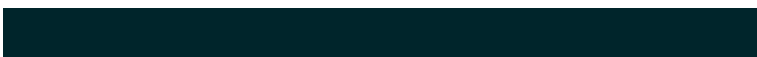
1C61D8



606A6B



0092AB



00252B



# Inverse Universe

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



D81CBD



FF00DA



D8931C



6B606A



AB0092

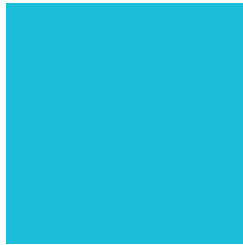


2B0025



# Previews

## White Background



This preview shows how the Hex color 1CBDD8 looks on a white background.

## Color Contrast Check

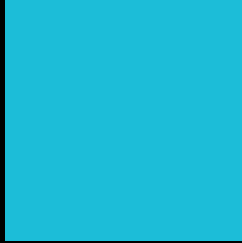
Large Text (above 18pt) WCAG AA × Fail

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 1CBDD8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

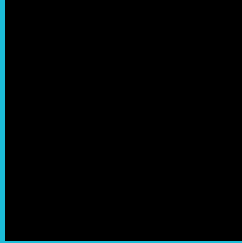
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 1CBDD8 Background



This preview shows how black text looks on a background with the Hex color 1CBDD8.

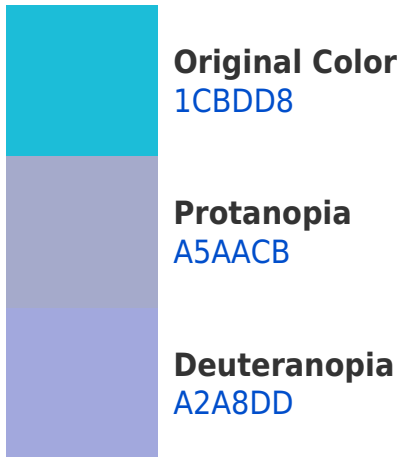


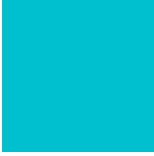
This preview shows how white text looks on a background with the Hex color 1CBDD8.

# 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



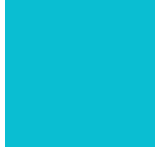
**Original Color**  
1CBDD8



**Protanomaly**  
73B1D0



**Deuteranomaly**  
71B0DB



**Tritanomaly**  
0ABED2

# Monochromacy



**Original Color**  
1CBDD8



**Achromatopsia**  
909090



**Achromatomaly**  
66A0AA

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1CBDD8 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 #1CBDD8 looks like.

```
.text, #text, p{  
    color:#1CBDD8  
}
```

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 #1CBDD8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1CBDD8
}
```

## Border

The CSS property to change the border of an element to Hex 1CBDD8 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
#1CBDD8 }
```

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

```
.border{ border-color:#1CBDD8 }
```

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

Here you see how a box with a 4 pixel #1CBDD8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1CBDD8; -webkit-box-shadow:4px 4px  
4px 4px #1CBDD8; box-shadow:4px 4px 4px  
4px #1CBDD8 }
```

# Background

The CSS property to change the background color of an element to Hex 1CBDD8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1CBDD8 }
```

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

```
.background{ background-color:#1CBDD8 }
```

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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