

# Converting Colors

Hex(15B0D0)

Have a look what the booklet for  
Hex(15B0D0) contains.

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# **Color**

**Hex(15B0D0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	15B0D0
RGB	21, 176, 208
RGB Percent	8%, 69%, 82%
CMY	0.9176, 0.3098, 0.1843
CMYK	0.90, 0.15, 0.00, 0.18
HSL	190°, 82%, 45%
HSV	190°, 90%, 82%
XYZ	27.2198, 35.7642, 65.1431
YIQ	133.3030, -102.6520, -22.9080

# Conversions

## Conversions Part 2

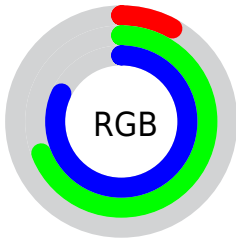
<b>Format</b>	<b>Color</b>
<code>RYB</code>	<code>21, 106, 208</code>
Decimal	<code>1421520</code>
CIELab	<code>66.34, -25.34, -26.56</code>
CIELCh	<code>66, 36.708, 226.351</code>
Yxy	<code>35.7642, 0.2124, 0.2791</code>
Android ( <code>android.graphics.Color</code> )	<code>4279611600 (0xFF15B0D0)</code>
YUV	<code>133.3030, 36.8256, -98.4897</code>
Hunter-Lab	<code>59.8031, -23.4102, -22.7219</code>

# Details

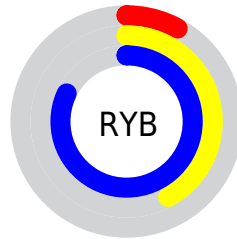
The Hex color **15B0D0** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **D03515**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **6BE8FF**, and **007B9A** is the 20% darker color. If you saturate the color by 10%, you get **00ACD0**, and if you desaturate by 10%, it is **2AB4D0**.

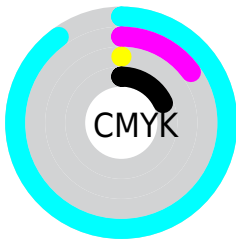
# Distribution



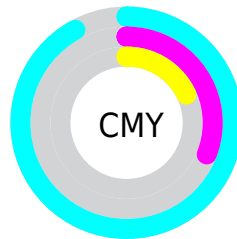
- Red (8%)
- Green (69%)
- Blue (82%)



- Red (8%)
- Yellow (42%)
- Blue (82%)



- Cyan (90%)
- Magenta (15%)
- Yellow (0%)
- Black (18%)



- Cyan (92%)
- Magenta (31%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 15B0D0 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 15B0D0 by changing the saturation by 10% instead.



 15B0D0

 15B0D0


FFFFFF

 0095B4

 6BE8FF

 007B9A

 8BFFFF

 00627F

 ABFFFF

 004A66

 C9FFFF

 00334E

 E8FFFF

 002037

 000222

 000007

 000000

■ 15B0D0

■ 15B0D0

■ 00ACD0

■ 2AB4D0

■ 3FB7D0

■ 53BBD0

■ 68BED0

■ 7DC2D0

■ 92C5D0

■ A7C9D0

■ BBCCD0

■ D0D0D0

# Harmonies

## Analogous

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



21B3B3



15B0D0



56A9E1

# Triad

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



15B0D0



D889B2



A5A561

# Complementary

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



15B0D0



D03515

# 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.



C49A61



15B0D0



E28890

# Square

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



15B0D0



BC92CF



DA8F73



80AD73

# Rectangle

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



15B0D0



7DA2E2



DA8F73



B0A25F

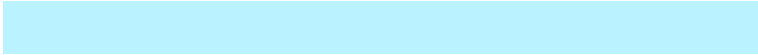


# Sweetspot

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



15B0D0



BAF3FF



15D034



577980



000000



808080

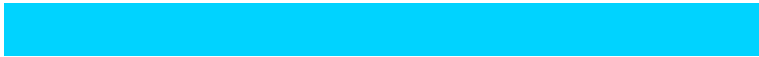


# Same Dimension

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



15B0D0



00D3FF



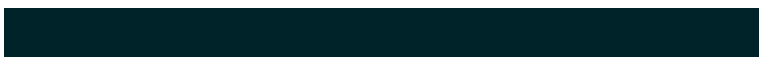
1553D0



5E6769



008CA8



002229



# Inverse Universe

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



D015B0



FF00D3



D09215



695E67



A8008B

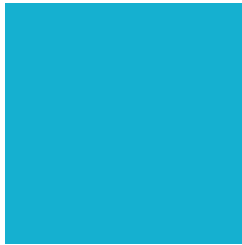


290022



# Previews

## White Background



This preview shows how the Hex color 15B0D0 looks on a white background.

## Color Contrast Check

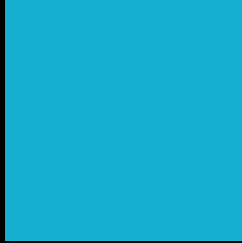
Large Text (above 18pt) WCAG AA × Fail

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 15B0D0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

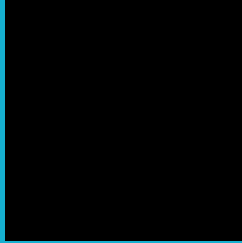
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 15B0D0 Background



This preview shows how black text looks on a background with the Hex color 15B0D0.

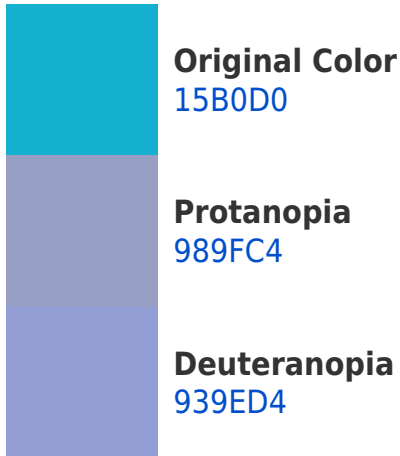


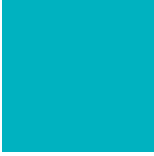
This preview shows how white text looks on a background with the Hex color 15B0D0.

# 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](#).

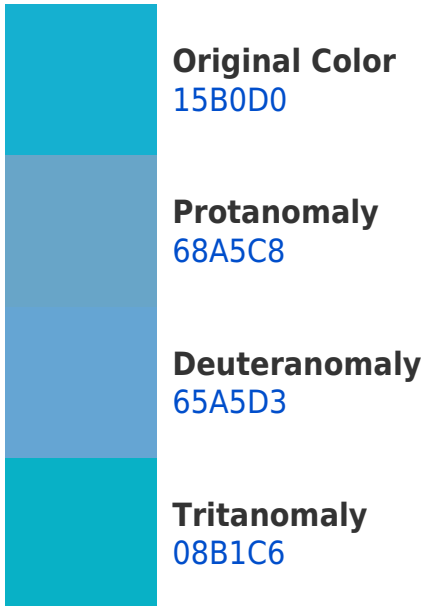
## Dichromacy



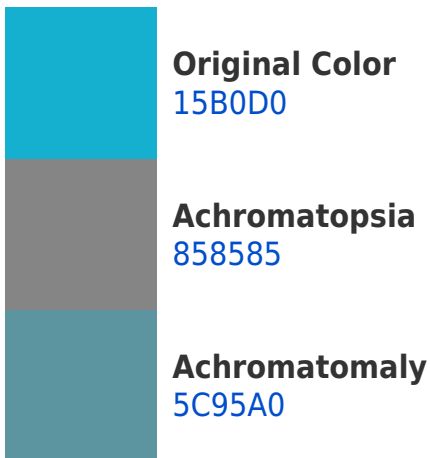


**Tritanopia**  
00B2C0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 15B0D0 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 #15B0D0 looks like.

```
.text, #text, p{  
    color:#15B0D0  
}
```

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 #15B0D0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #15B0D0
}
```

## Border

The CSS property to change the border of an element to Hex 15B0D0 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
#15B0D0 }
```

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

```
.border{ border-color:#15B0D0 }
```

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

Here you see how a box with a 4 pixel #15B0D0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #15B0D0; -webkit-box-shadow:4px 4px  
4px 4px #15B0D0; box-shadow:4px 4px 4px  
4px #15B0D0 }
```

# Background

The CSS property to change the background color of an element to Hex 15B0D0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#15B0D0 }
```

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

```
.background{ background-color:#15B0D0 }
```

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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