

# Converting Colors

Hex(2BD3D7)

Have a look what the booklet for  
Hex(2BD3D7) contains.

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# **Color**

**Hex(2BD3D7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BD3D7
RGB	43, 211, 215
RGB Percent	17%, 83%, 84%
CMY	0.8314, 0.1725, 0.1569
CMYK	0.80, 0.02, 0.00, 0.16
HSL	181°, 68%, 51%
HSV	181°, 80%, 84%
XYZ	36.5563, 52.0084, 72.4019
YIQ	161.2240, -101.4120, -34.3720

# Conversions

## Conversions Part 2

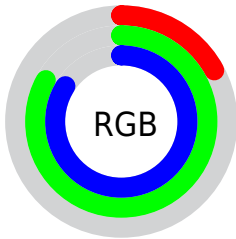
Format	Color
R <sub>Y</sub> B	43, 128, 215
Decimal	2872279
CIE Lab	77.29, -38.48, -13.73
CIE LCh	77, 40.853, 199.636
Yxy	52.0084, 0.2271, 0.3231
Android (android.graphics.Color)	4281062359 (0xFF2BD3D7)
YUV	161.2240, 26.5116, -103.6824
Hunter-Lab	72.1169, -35.7223, -9.0425

# Details

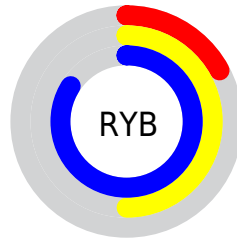
The Hex color **2BD3D7** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **D72F2B**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **79FFFF**, and **009CA0** is the 20% darker color. If you saturate the color by 10%, you get **15D3D7**, and if you desaturate by 10%, it is **41D4D7**.

# Distribution



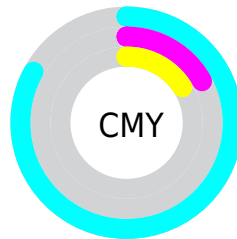
- Red (17%)
- Green (83%)
- Blue (84%)



- Red (17%)
- Yellow (50%)
- Blue (84%)



- Cyan (80%)
- Magenta (2%)
- Yellow (0%)
- Black (16%)



- Cyan (83%)
- Magenta (17%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2BD3D7 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 2BD3D7 by changing the saturation by 10% instead.



 2BD3D7

 2BD3D7

FFFFFF

 00B7BB

 79FFFF

 009CA0

 99FFFF

 008186

 B9FFFF

 00676D

 D8FFFF

 004F55

 F7FFFF

 00373E

 002228

 000113

 000000

 2BD3D7

 2BD3D7

 15D3D7

 41D4D7

 00D2D7

 56D4D7

 6CD5D7

 81D5D7

 97D6D7

 ACD6D7

 C2D7D7

 D7D7D7

 EDD8D7

# Harmonies

## Analogous

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



62D2B0



2BD3D7



2DCFF7

# Triad

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



2BD3D7



E2ACF0



E4B874

# Complementary

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



2BD3D7



D72F2B

# 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.



FEAB87



2BD3D7



FFA3CE

# Square

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



2BD3D7



B0BAFF



FFA2A7



BFC476

# Rectangle

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



2BD3D7



5ACAFF



FFA2A7



EEB478



# Sweetspot

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



2BD3D7



C2FEFF



2BD72E



5B7F80



000000



808080



# Same Dimension

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



2BD3D7



0AF9FF



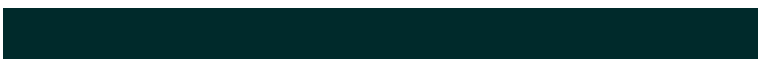
2B7ED7



606B6B



00A7AB



002A2B



# Inverse Universe

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



D72BD3



FF0AF9



D7842B



6B606B



AB00A7

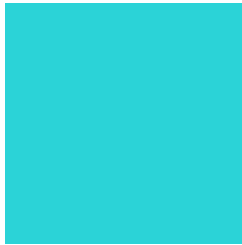


2B002A



# Previews

## White Background



This preview shows how the Hex color 2BD3D7 looks on a white background.

## Color Contrast Check

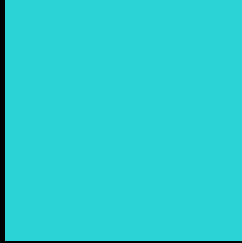
Large Text (above 18pt) WCAG AA × Fail

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 2BD3D7 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

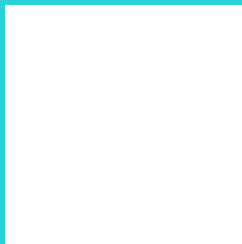
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2BD3D7 Background



This preview shows how black text looks on a background with the Hex color 2BD3D7.

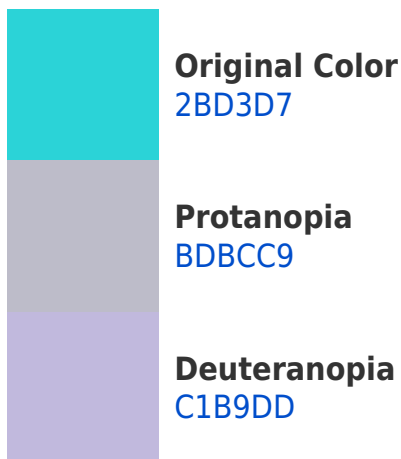


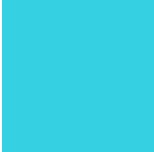
This preview shows how white text looks on a background with the Hex color 2BD3D7.

# 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



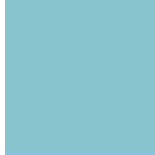


**Tritanopia**  
35D1E2

# Trichromacy



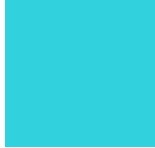
**Original Color**  
2BD3D7



**Protanomaly**  
88C4CE



**Deuteranomaly**  
8AC2DB



**Tritanomaly**  
31D2DE

# Monochromacy



**Original Color**  
2BD3D7



**Achromatopsia**  
A1A1A1



**Achromatomaly**  
76B3B5

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2BD3D7 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 #2BD3D7 looks like.

```
.text, #text, p{  
    color:#2BD3D7  
}
```

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 #2BD3D7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2BD3D7
}
```

## Border

The CSS property to change the border of an element to Hex 2BD3D7 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
#2BD3D7 }
```

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

```
.border{ border-color:#2BD3D7 }
```

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

Here you see how a box with a 4 pixel #2BD3D7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2BD3D7; -webkit-box-shadow:4px 4px  
4px 4px #2BD3D7; box-shadow:4px 4px 4px  
4px #2BD3D7 }
```

# Background

The CSS property to change the background color of an element to Hex 2BD3D7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2BD3D7 }
```

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

```
.background{ background-color:#2BD3D7 }
```

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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