

# Converting Colors

Hex(33B5D9)

Have a look what the booklet for  
Hex(33B5D9) contains.

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# **Color**

**Hex(33B5D9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33B5D9
RGB	51, 181, 217
RGB Percent	20%, 71%, 85%
CMY	0.8000, 0.2902, 0.1490
CMYK	0.76, 0.17, 0.00, 0.15
HSL	193°, 69%, 53%
HSV	193°, 76%, 85%
XYZ	30.4135, 38.7613, 71.5244
YIQ	146.2340, -89.0360, -16.3640

# Conversions

## Conversions Part 2

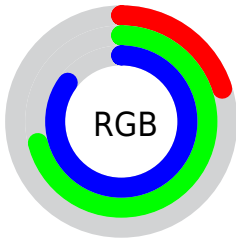
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	51, 124, 217
Decimal	3388889
CIE Lab	68.58, -22.57, -28.03
CIE LCh	69, 35.991, 231.161
Yxy	38.7613, 0.2162, 0.2755
Android (android.graphics.Color)	4281578969 (0xFF33B5D9)
YUV	146.2340, 34.8876, -83.5202
Hunter-Lab	62.2586, -21.7547, -24.5330

# Details

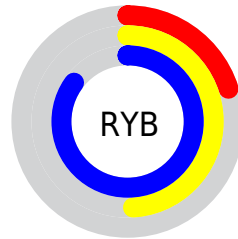
The Hex color **33B5D9** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **D95733**, and the grayscale version is **929292**.

A 20% lighter version of the original color is **7AEDFF**, and **0080A2** is the 20% darker color. If you saturate the color by 10%, you get **1DB0D9**, and if you desaturate by 10%, it is **49BAD9**.

# Distribution



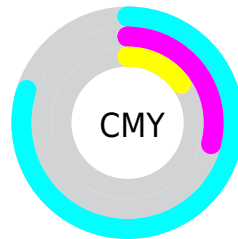
- Red (20%)
- Green (71%)
- Blue (85%)



- Red (20%)
- Yellow (49%)
- Blue (85%)



- Cyan (76%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (80%)
- Magenta (29%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33B5D9 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 33B5D9 by changing the saturation by 10% instead.



 33B5D9

 33B5D9

FFFFFF

 009ABD

 7AEDFF

 0080A2

 99FFFF

 006788

 B8FFFF

 004E6E

 D6FFFF

 003756

 F5FFFF

 00233E

 000328

 000112

 000000

■ 33B5D9

■ 33B5D9

■ 1DB0D9

■ 49BAD9

■ 08ACD9

■ 5EBED9

■ 00AAD9

■ 74C3D9

■ 8AC8D9

■ A0CDD9

■ B5D1D9

■ CBD6D9

■ E1DBD9

■ F6DFD9

# Harmonies

## Analogous

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



2DB9BE



33B5D9



68ADE7

# Triad

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



33B5D9



E08FB2



A6AC6A

# Complementary

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



33B5D9



D95733

# 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.



C6A267



33B5D9



E78F91

# Square

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



33B5D9



C797D0



DD9776



80B47D

# Rectangle

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



33B5D9



8DA6E7



DD9776



B1A967

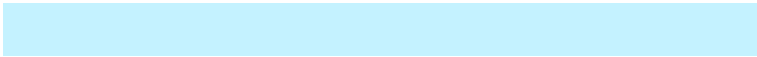


# Sweetspot

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



33B5D9



C4F2FF



33D957



5C7880



000000



808080

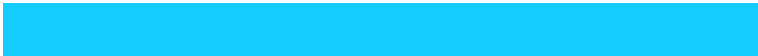


# Same Dimension

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



33B5D9



14CCFF



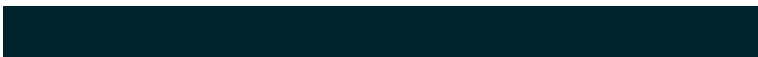
3362D9



636B6E



0088AD



00242E



# Inverse Universe

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



D933B5



FF14CC



D9AA33



6E636B



AD0088



2E0024



# Previews

## White Background



This preview shows how the Hex color 33B5D9 looks on a white background.

## Color Contrast Check

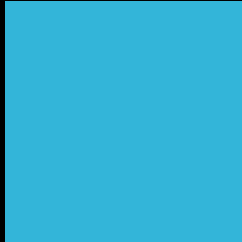
Large Text (above 18pt) WCAG AA × Fail

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 33B5D9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

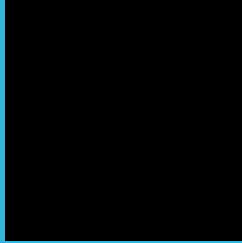
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 33B5D9 Background



This preview shows how black text looks on a background with the Hex color 33B5D9.

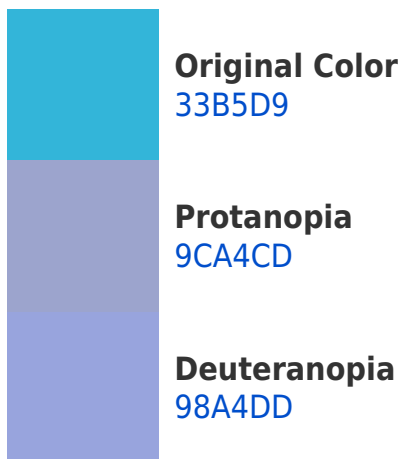


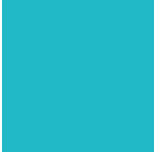
This preview shows how white text looks on a background with the Hex color 33B5D9.

# 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](#).

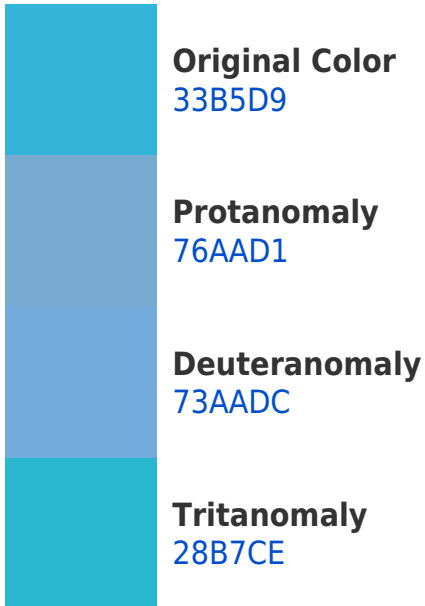
## Dichromacy



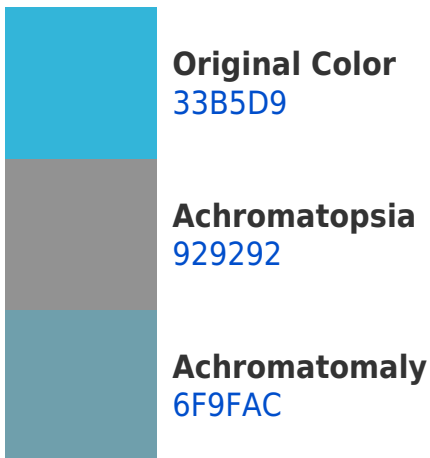


**Tritanopia**  
21B8C7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33B5D9 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 #33B5D9 looks like.

```
.text, #text, p{  
    color:#33B5D9  
}
```

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 #33B5D9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33B5D9
}
```

## Border

The CSS property to change the border of an element to Hex 33B5D9 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
#33B5D9 }
```

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

```
.border{ border-color:#33B5D9 }
```

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

Here you see how a box with a 4 pixel #33B5D9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33B5D9; -webkit-box-shadow:4px 4px  
4px 4px #33B5D9; box-shadow:4px 4px 4px  
4px #33B5D9 }
```

# Background

The CSS property to change the background color of an element to Hex 33B5D9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33B5D9 }
```

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

```
.background{ background-color:#33B5D9 }
```

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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