

# Converting Colors

Hex(51B3DB)

Have a look what the booklet for  
Hex(51B3DB) contains.

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# **Color**

**Hex(51B3DB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51B3DB
RGB	81, 179, 219
RGB Percent	32%, 70%, 86%
CMY	0.6824, 0.2980, 0.1412
CMYK	0.63, 0.18, 0.00, 0.14
HSL	197°, 66%, 59%
HSV	197°, 63%, 86%
XYZ	32.2996, 39.1040, 72.8633
YIQ	154.2580, -71.2480, -8.3360

# Conversions

## Conversions Part 2

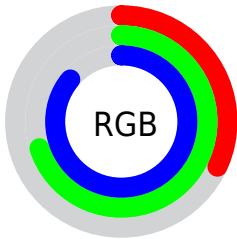
Format	Color
R <sub>Y</sub> B	81, 138, 219
Decimal	5354459
CIE Lab	68.83, -16.71, -28.68
CIE LCh	69, 33.198, 239.771
Yxy	39.1040, 0.2239, 0.2711
Android (android.graphics.Color)	4283544539 (0xFF51B3DB)
YUV	154.2580, 31.9178, -64.2473
Hunter-Lab	62.5332, -17.2343, -25.3111

# Details

The Hex color **51B3DB** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **DB7951**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **8EEBFF**, and **007EA4** is the 20% darker color. If you saturate the color by 10%, you get **3BADDB**, and if you desaturate by 10%, it is **67B9DB**.

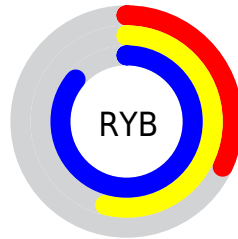
# Distribution



Red (32%)

Green (70%)

Blue (86%)



Red (32%)

Yellow (54%)

Blue (86%)

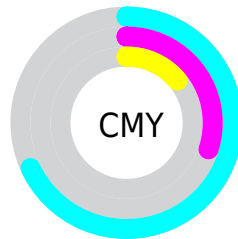


Cyan (63%)

Magenta (18%)

Yellow (0%)

Black (14%)



Cyan (68%)

Magenta (30%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51B3DB 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 51B3DB by changing the saturation by 10% instead.



51B3DB

51B3DB

FFFFFF

2D98BF

8EEBFF

007EA4

ACFFFF

006589

CAFFFF

004D70

E8FFFF

003657

002140

00032A

000114

000000

■ 51B3DB

■ 51B3DB

■ 3BADDB

■ 67B9DB

■ 25A6DB

■ 7DC0DB

■ 0FA0DB

■ 93C6DB

■ 009CDB

■ A9CCDB

■ BFD3DB

■ D4D9DB

■ EADFDB

■ FFE6DB

■ FFECDB

# Harmonies

## Analogous

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



3EB7C5



51B3DB



7EABE4

# Triad

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



51B3DB



E191A9



9DAF73

# Complementary

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



51B3DB



DB7951

# 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.



BDA66C



51B3DB



E2938C

# Square

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



51B3DB



CE96C7



D59C75



7AB589

# Rectangle

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



51B3DB



9DA4E0



D59C75



A8AC6F

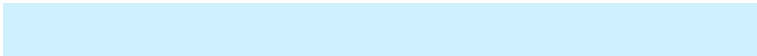


# Sweetspot

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



51B3DB



CFF1FF



51DB78



627780



000000



808080



# Same Dimension

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



51B3DB



3DC7FF



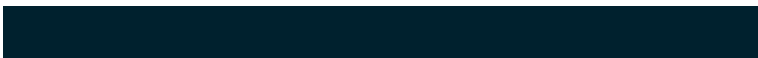
516FDB



636A6E



007BAD



00212E



# Inverse Universe

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



DB51B3



FF3DC7



DBBD51



6E636A



AD007B



2E0021



# Previews

## White Background



This preview shows how the Hex color 51B3DB looks on a white background.

## Color Contrast Check

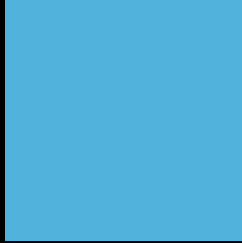
Large Text (above 18pt) WCAG AA × Fail

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 51B3DB 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 51B3DB Background



This preview shows how black text looks on a background with the Hex color 51B3DB.

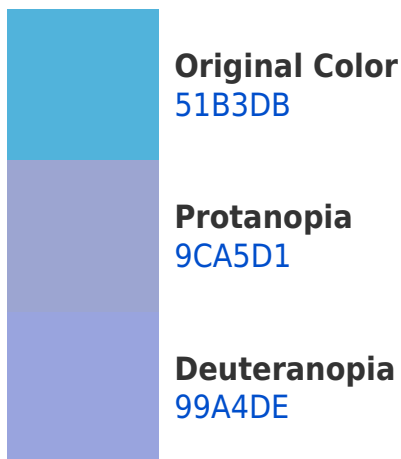


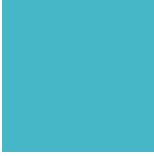
This preview shows how white text looks on a background with the Hex color 51B3DB.

# 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](#).

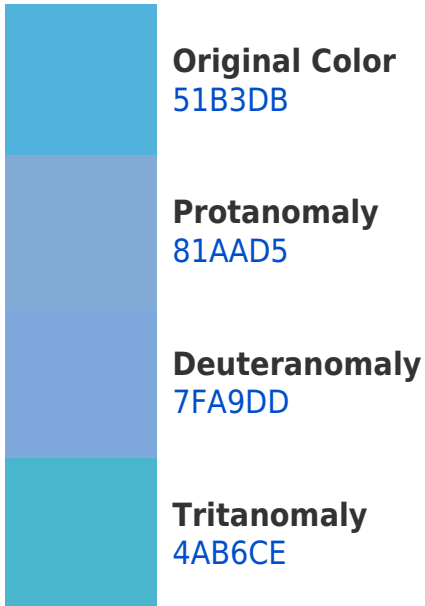
## Dichromacy



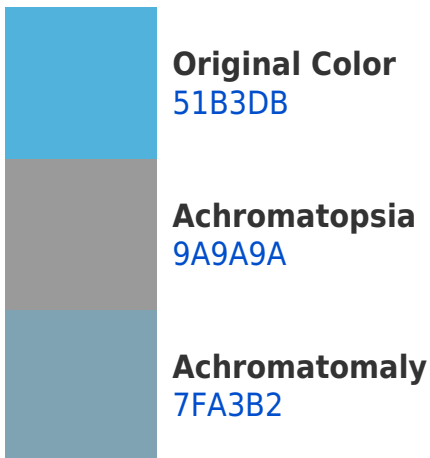


**Tritanopia**  
46B7C6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51B3DB 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 #51B3DB looks like.

```
.text, #text, p{  
    color:#51B3DB  
}
```

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 #51B3DB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51B3DB  
}
```

## Border

The CSS property to change the border of an element to Hex 51B3DB 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  
#51B3DB }
```

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

```
.border{ border-color:#51B3DB }
```

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

Here you see how a box with a 4 pixel #51B3DB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51B3DB; -webkit-box-shadow:4px 4px  
4px 4px #51B3DB; box-shadow:4px 4px 4px  
4px #51B3DB }
```

# Background

The CSS property to change the background color of an element to Hex 51B3DB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51B3DB }
```

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

```
.background{ background-color:#51B3DB }
```

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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