

# Converting Colors

Hex(50D9E9)

Have a look what the booklet for  
Hex(50D9E9) contains.

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# **Color**

**Hex(50D9E9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50D9E9
RGB	80, 217, 233
RGB Percent	31%, 85%, 91%
CMY	0.6863, 0.1490, 0.0863
CMYK	0.66, 0.07, 0.00, 0.09
HSL	186°, 78%, 61%
HSV	186°, 66%, 91%
XYZ	42.8291, 57.2144, 85.8769
YIQ	177.8610, -86.7880, -24.0680

# Conversions

## Conversions Part 2

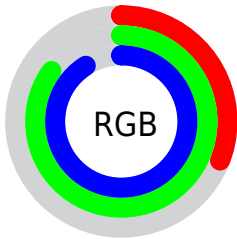
Format	Color
<b>RYB</b>	80, 152, 233
Decimal	5298665
CIELab	80.30, -31.76, -18.75
CIELCh	80, 36.881, 210.559
Yxy	57.2144, 0.2304, 0.3077
Android (android.graphics.Color)	4283488745 (0xFF50D9E9)
YUV	177.8610, 27.1835, -85.8241
Hunter-Lab	75.6402, -31.2998, -14.3659

# Details

The Hex color **50D9E9** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **E96050**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **92FFFF**, and **00A2B1** is the 20% darker color. If you saturate the color by 10%, you get **39D7E9**, and if you desaturate by 10%, it is **67DBE9**.

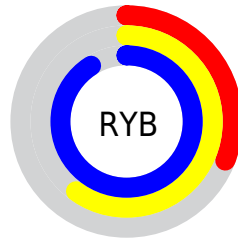
# Distribution



Red (31%)

Green (85%)

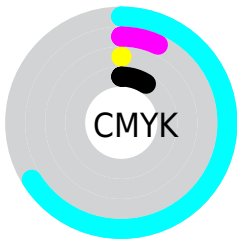
Blue (91%)



Red (31%)

Yellow (60%)

Blue (91%)

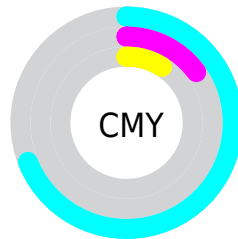


Cyan (66%)

Magenta (7%)

Yellow (0%)

Black (9%)



Cyan (69%)

Magenta (15%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 50D9E9 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 50D9E9 by changing the saturation by 10% instead.



 50D9E9

 50D9E9

FFFFFF

 25BDCD

 92FFFF

 00A2B1

 B1FFFF

 008797

 CFFFFFF

 006D7D

 EFFFFFF

 005564

 003D4C

 002735

 000420

 000005

■ 50D9E9

■ 50D9E9

■ 39D7E9

■ 67DBE9

■ 21D4E9

■ 7FDEE9

■ 0AD2E9

■ 96E0E9

■ 00D1E9

■ ADE3E9

■ C5E5E9

■ DCE8E9

■ F3EAE9

■ FFECE9

■ FFEFE9

# Harmonies

## Analogous

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



69DAC7



50D9E9



66D4FF

# Triad

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



50D9E9



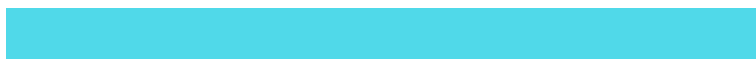
F3B3EA



DEC582

# Complementary

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



50D9E9



E96050

# 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.



FBB98C



50D9E9



FFADC8

# Square

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



50D9E9



CDBEFF



FFB0A6



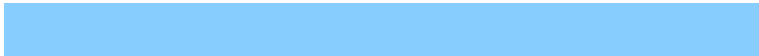
BAD08B

# Rectangle

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



50D9E9



87CEFF



FFB0A6



E9C183



# Sweetspot

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



50D9E9



CCFAFF



50E95F



617C80



000000



808080



# Same Dimension

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



50D9E9



36EAFF



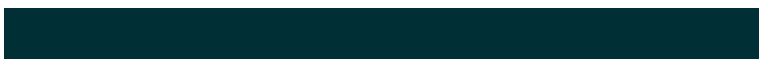
508DE9



6A7475



00A2B5



003036



# Inverse Universe

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



E950D9



FF36EA



E9AC50



756A74



B500A2

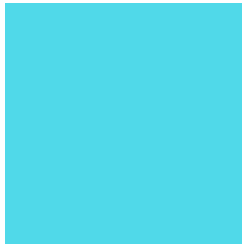


360030



# Previews

## White Background



This preview shows how the Hex color 50D9E9 looks on a white background.

## Color Contrast Check

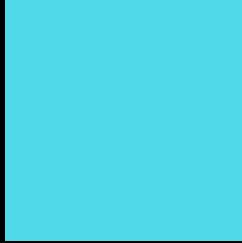
Large Text (above 18pt) WCAG AA × Fail

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 50D9E9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

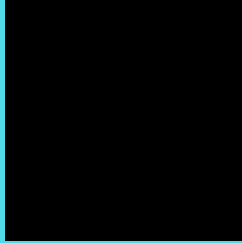
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 50D9E9 Background



This preview shows how black text looks on a background with the Hex color 50D9E9.

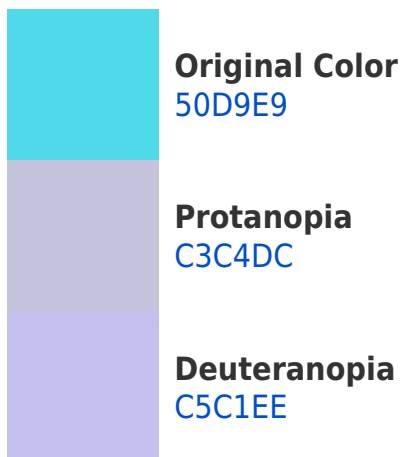


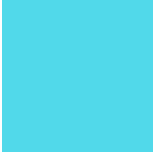
This preview shows how white text looks on a background with the Hex color 50D9E9.

# 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**  
51D9EA

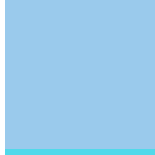
# Trichromacy



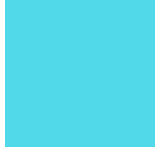
**Original Color**  
50D9E9



**Protanomaly**  
99CCE1



**Deuteranomaly**  
9ACAEC

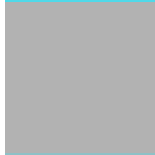


**Tritanomaly**  
51D9EA

# Monochromacy



**Original Color**  
50D9E9



**Achromatopsia**  
B2B2B2



**Achromatomaly**  
8EC0C6

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 50D9E9 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 #50D9E9 looks like.

```
.text, #text, p{  
    color:#50D9E9  
}
```

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 #50D9E9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #50D9E9
}
```

## Border

The CSS property to change the border of an element to Hex 50D9E9 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
#50D9E9 }
```

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

```
.border{ border-color:#50D9E9 }
```

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

Here you see how a box with a 4 pixel #50D9E9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #50D9E9; -webkit-box-shadow:4px 4px  
4px 4px #50D9E9; box-shadow:4px 4px 4px  
4px #50D9E9 }
```

# Background

The CSS property to change the background color of an element to Hex 50D9E9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#50D9E9 }
```

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

```
.background{ background-color:#50D9E9 }
```

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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