

# Converting Colors

Hex(51E1B6)

Have a look what the booklet for  
Hex(51E1B6) contains.

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**Color**

**Hex(51E1B6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51E1B6
RGB	81, 225, 182
RGB Percent	32%, 88%, 71%
CMY	0.6824, 0.1176, 0.2863
CMYK	0.64, 0.00, 0.19, 0.12
HSL	162°, 71%, 60%
HSV	162°, 64%, 88%
XYZ	38.7621, 58.9772, 53.5967
YIQ	177.0420, -72.0210, -43.9010

# Conversions

## Conversions Part 2

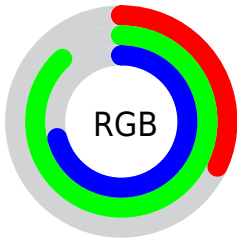
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 166, 225
Decimal	5366198
CIELab	81.28, -48.52, 9.81
CIELCh	81, 49.499, 168.572
Yxy	58.9772, 0.2561, 0.3897
Android (android.graphics.Color)	4283556278 (0xFF51E1B6)
YUV	177.0420, 2.4443, -84.2288
Hunter-Lab	76.7966, -44.2985, 12.3788

# Details

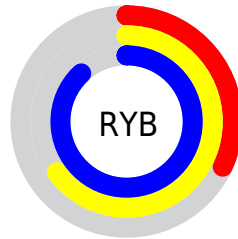
The Hex color **51E1B6** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **E1517C**, and the grayscale version is **B1B1B1**.

A 20% lighter version of the original color is **90FFEE**, and **00A981** is the 20% darker color. If you saturate the color by 10%, you get **3BE1AF**, and if you desaturate by 10%, it is **67E1BD**.

# Distribution



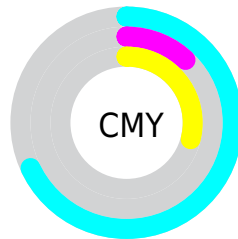
- Red (32%)
- Green (88%)
- Blue (71%)



- Red (32%)
- Yellow (65%)
- Blue (88%)



- Cyan (64%)
- Magenta (0%)
- Yellow (19%)
- Black (12%)



- Cyan (68%)
- Magenta (12%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51E1B6 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 51E1B6 by changing the saturation by 10% instead.



 51E1B6

 51E1B6

FFFFFF

 2AC59B

 90FFEE

 00A981

 AFFFFFFF

 008E68

 CDFFFF

 007350

 EBFFFF

 005A39

 004123

 002B0E

 000900

 000000

 51E1B6

 51E1B6

 3BE1AF

 67E1BD

 24E1A9

 7EE1C3

 0EE1A2

 94E1CA

 00E19E

 ABE1D1

 C2E1D8

 D8E1DE

 EFE1E5

 FFE1EC

 FFE1F2

# Harmonies

## Analogous

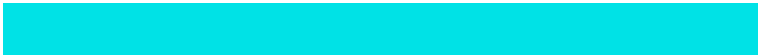
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95DB8B



51E1B6



00E2E6

# Triad

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



51E1B6



B3C5FF



FFB186

# Complementary

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



51E1B6



E1517C

# 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.



FFA6AF



51E1B6



F2B3FF

# Square

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



51E1B6



59D4FF



FFA6DE



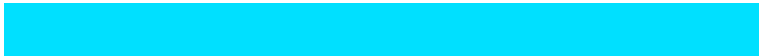
F6C16E

# Rectangle

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



51E1B6



00E0FF



FFA6DE



FFAC92

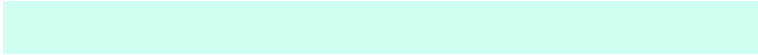


# Sweetspot

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



51E1B6



CFFF1



7CE151



628077



000000



808080



# Same Dimension

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



51E1B6



3BFFC4



51C4E1



65706D



00B07B



003022



# Inverse Universe

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



E1517C



FF3B75



E16E51



706568



B00035

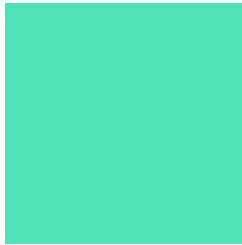


30000E



# Previews

## White Background



This preview shows how the Hex color 51E1B6 looks on a white background.

## Color Contrast Check

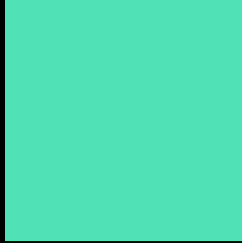
Large Text (above 18pt) WCAG AA × Fail

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 51E1B6 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

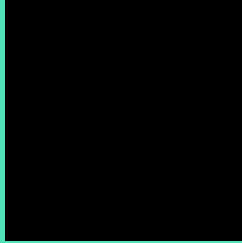
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

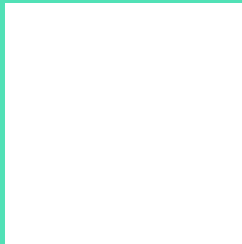
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 51E1B6 Background



This preview shows how black text looks on a background with the Hex color 51E1B6.

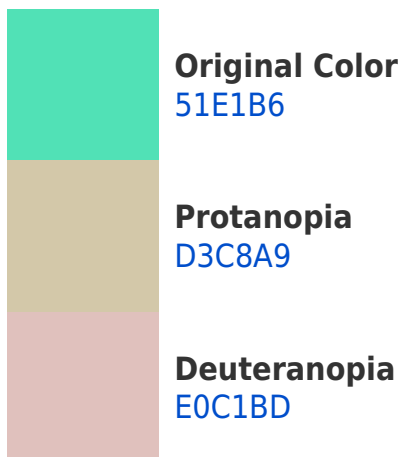


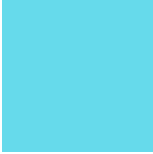
This preview shows how white text looks on a background with the Hex color 51E1B6.

# 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**  
66DAEB

# Trichromacy



**Original Color**  
51E1B6



**Protanomaly**  
A4D1AE



**Deuteranomaly**  
ACCDBA

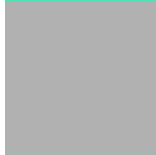


**Tritanomaly**  
5EDDD8

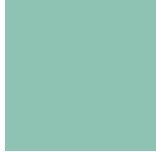
# Monochromacy



**Original Color**  
51E1B6



**Achromatopsia**  
B1B1B1



**Achromatomaly**  
8EC2B3

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51E1B6 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 #51E1B6 looks like.

```
.text, #text, p{  
    color:#51E1B6  
}
```

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 #51E1B6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51E1B6
}
```

## Border

The CSS property to change the border of an element to Hex 51E1B6 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
#51E1B6 }
```

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

```
.border{ border-color:#51E1B6 }
```

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

Here you see how a box with a 4 pixel #51E1B6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51E1B6; -webkit-box-shadow:4px 4px  
4px 4px #51E1B6; box-shadow:4px 4px 4px  
4px #51E1B6 }
```

# Background

The CSS property to change the background color of an element to Hex 51E1B6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51E1B6 }
```

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

```
.background{ background-color:#51E1B6 }
```

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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