

# Converting Colors

Hex(50E2AF)

Have a look what the booklet for  
Hex(50E2AF) contains.

<b>Hex(50E2AF)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(50E2AF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50E2AF
RGB	80, 226, 175
RGB Percent	31%, 89%, 69%
CMY	0.6863, 0.1137, 0.3137
CMYK	0.65, 0.00, 0.23, 0.11
HSL	159°, 72%, 60%
HSV	159°, 65%, 89%
XYZ	38.2425, 59.1933, 49.9673
YIQ	176.5320, -70.6450, -46.8130

# Conversions

## Conversions Part 2

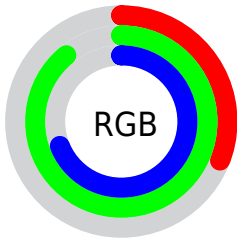
<b>Format</b>	<b>Color</b>
<b>RYB</b>	80, 168, 226
Decimal	5300911
CIELab	81.40, -50.69, 13.66
CIELCh	81, 52.502, 164.919
Yxy	59.1933, 0.2594, 0.4016
Android (android.graphics.Color)	4283490991 (0xFF50E2AF)
YUV	176.5320, -0.7553, -84.6586
Hunter-Lab	76.9372, -45.9147, 15.3498

# Details

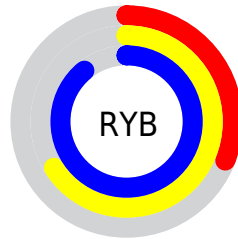
The Hex color **50E2AF** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **E25083**, and the grayscale version is **B1B1B1**.

A 20% lighter version of the original color is **8FFFE7**, and **00AA7A** is the 20% darker color. If you saturate the color by 10%, you get **39E2A7**, and if you desaturate by 10%, it is **67E2B7**.

# Distribution



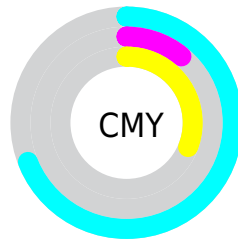
- Red (31%)
- Green (89%)
- Blue (69%)



- Red (31%)
- Yellow (66%)
- Blue (89%)



- Cyan (65%)
- Magenta (0%)
- Yellow (23%)
- Black (11%)



- Cyan (69%)
- Magenta (11%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 50E2AF 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 50E2AF by changing the saturation by 10% instead.



 50E2AF

 50E2AF

FFFFFF

 29C594

 8FFFE7

 00AA7A

 AEFFFF

 008E62

 CCFFFF

 00744A

 EAFFFF

 005A33

 00411D

 002C06

 000A00

 000000

 50E2AF

 50E2AF

 39E2A7

 67E2B7

 23E29F

 7DE2BF

 0CE297

 94E2C7

 00E293

 AAE2CF

 C1E2D6

 D8E2DE

 EEE2E6

 FFE2EE

 FFE2F6

# Harmonies

## Analogous

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



99DB82



50E2AF



00E4E2

# Triad

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



50E2AF



A7C7FF



FFAD87

# Complementary

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



50E2AF



E25083

# 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.



FFA2B3



50E2AF



EEB4FF

# Square

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



50E2AF



32D6FF



FFA5E5



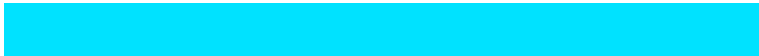
FEBF6A

# Rectangle

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



50E2AF



00E2FF



FFA5E5



FFA994

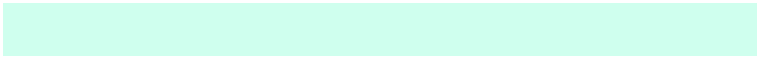


# Sweetspot

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



50E2AF



CFFFEE



83E250



628075



000000



808080



# Same Dimension

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



50E2AF



38FFBA



50CCE2



65706C



00B072



003020



# Inverse Universe

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



E25083



FF387E



E26650



706569



B0003D

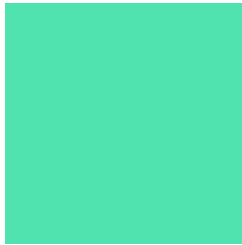


300011



# Previews

## White Background



This preview shows how the Hex color 50E2AF 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



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

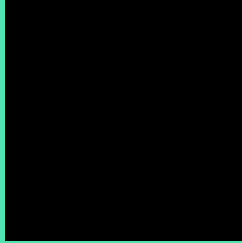
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 50E2AF Background



This preview shows how black text looks on a background with the Hex color 50E2AF.

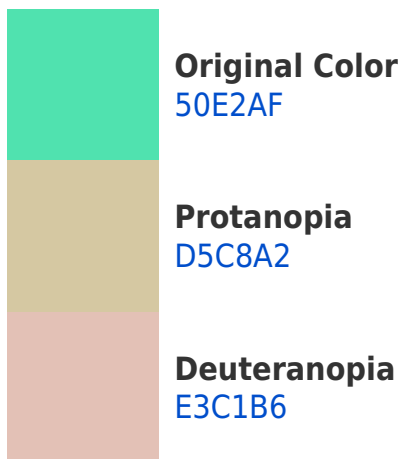


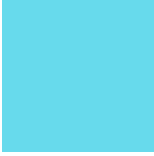
This preview shows how white text looks on a background with the Hex color 50E2AF.

# 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**  
67DAEC

# Trichromacy



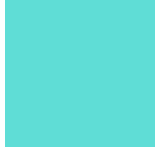
**Original Color**  
50E2AF



**Protanomaly**  
A5D1A7



**Deuteranomaly**  
AECDB3



**Tritanomaly**  
5FDDD6

# Monochromacy



**Original Color**  
50E2AF



**Achromatopsia**  
B1B1B1



**Achromatomaly**  
8EC3B0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 50E2AF 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 #50E2AF looks like.

```
.text, #text, p{  
    color:#50E2AF  
}
```

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 #50E2AF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #50E2AF  
}
```

## Border

The CSS property to change the border of an element to Hex 50E2AF 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  
#50E2AF }
```

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

```
.border{ border-color:#50E2AF }
```

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

Here you see how a box with a 4 pixel #50E2AF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #50E2AF; -webkit-box-shadow:4px 4px  
4px 4px #50E2AF; box-shadow:4px 4px 4px  
4px #50E2AF }
```

# Background

The CSS property to change the background color of an element to Hex 50E2AF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#50E2AF }
```

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

```
.background{ background-color:#50E2AF }
```

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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