

# Converting Colors

Hex(5CE78A)

Have a look what the booklet for  
Hex(5CE78A) contains.

<b>Hex(5CE78A)</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(5CE78A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CE78A
RGB	92, 231, 138
RGB Percent	36%, 91%, 54%
CMY	0.6392, 0.0941, 0.4588
CMYK	0.60, 0.00, 0.40, 0.09
HSL	140°, 74%, 63%
HSV	140°, 60%, 91%
XYZ	37.5770, 61.2621, 33.8890
YIQ	178.8370, -52.9910, -58.3910

# Conversions

## Conversions Part 2

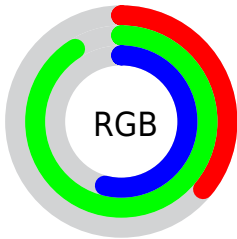
<b>Format</b>	<b>Color</b>
<b>RYB</b>	92, 196, 231
Decimal	6088586
CIELab	82.52, -57.68, 34.32
CIELCh	83, 67.121, 149.246
Yxy	61.2621, 0.2831, 0.4616
Android (android.graphics.Color)	4284278666 (0xFF5CE78A)
YUV	178.8370, -20.1326, -76.1560
Hunter-Lab	78.2701, -51.2760, 29.1180

# Details

The Hex color **5CE78A** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **E75CB9**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **99FFC0**, and **00AE57** is the 20% darker color. If you saturate the color by 10%, you get **45E77B**, and if you desaturate by 10%, it is **73E799**.

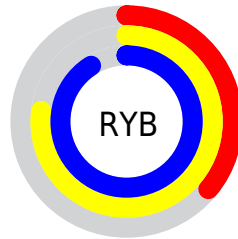
# Distribution



Red (36%)

Green (91%)

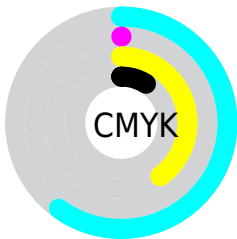
Blue (54%)



Red (36%)

Yellow (77%)

Blue (91%)

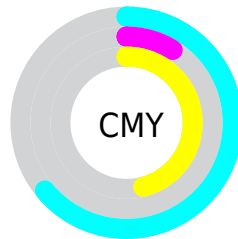


Cyan (60%)

Magenta (0%)

Yellow (40%)

Black (9%)



Cyan (64%)

Magenta (9%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5CE78A 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 5CE78A by changing the saturation by 10% instead.



 5CE78A

 5CE78A

FFFFFF

 3ACA70

 99FFC0

 00AE57

 B7FFDC

 00933E

 D5FFF9

 007826

 F4FFFF

 005E0C

 004500

 002F00

 001000

 000000

 5CE78A

 5CE78A

 45E77B

 73E799

 2EE76B

 8AE7A9

 17E75C

 A1E7B8

 00E74C

 B8E7C8

 D0E7D7

 E7E7E7

 FEE7F6

 FFE7FF

# Harmonies

## Analogous

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



B2DC59



5CE78A



00ECCA

# Triad

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



5CE78A



31D5FF



FF9C93

# Complementary

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



5CE78A



E75CB9

# 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.



FF95D2



5CE78A



CDBDFF

# Square

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



5CE78A



00E4FF



FFA4FF



FFB261

# Rectangle

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



5CE78A



00ECF5



FFA4FF



FF97A7

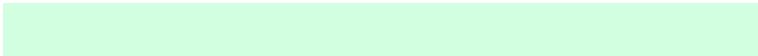


# Sweetspot

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



5CE78A



D1FFE0



BBE75C



63806D



000000



808080



# Same Dimension

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



5CE78A



47FF84



5CE7CE



67736B



00B33B



003311



# Inverse Universe

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



E75CB9



FF47C2



E75C75



73676F



B30077

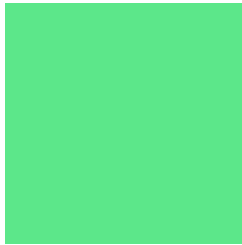


330022



# Previews

## White Background



This preview shows how the Hex color 5CE78A 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 5CE78A looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

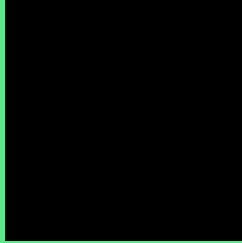
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 5CE78A Background



This preview shows how black text looks on a background with the Hex color 5CE78A.

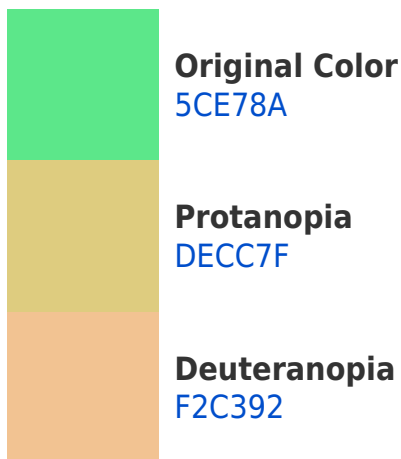


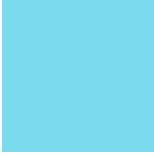
This preview shows how white text looks on a background with the Hex color 5CE78A.

# 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](#).

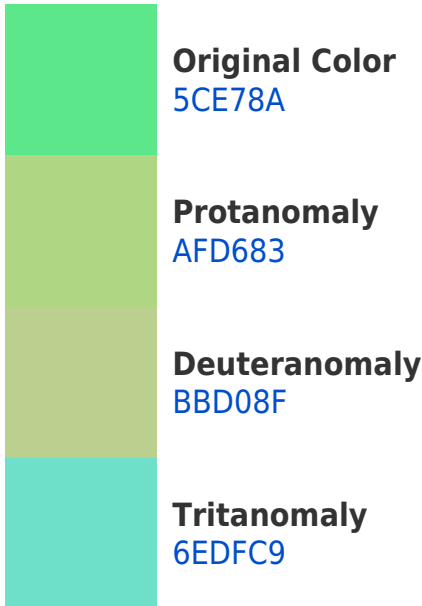
## Dichromacy



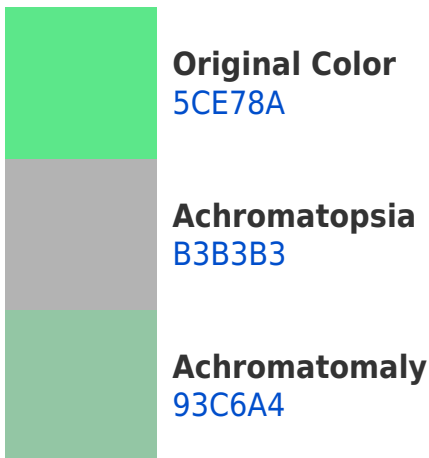


**Tritanopia**  
79DBED

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5CE78A 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 #5CE78A looks like.

```
.text, #text, p{  
    color:#5CE78A  
}
```

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 #5CE78A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5CE78A
}
```

## Border

The CSS property to change the border of an element to Hex 5CE78A 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
#5CE78A }
```

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

```
.border{ border-color:#5CE78A }
```

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

Here you see how a box with a 4 pixel #5CE78A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5CE78A; -webkit-box-shadow:4px 4px  
4px 4px #5CE78A; box-shadow:4px 4px 4px  
4px #5CE78A }
```

# Background

The CSS property to change the background color of an element to Hex 5CE78A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5CE78A }
```

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

```
.background{ background-color:#5CE78A }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor