

# Converting Colors

Hex(5AEF9B)

Have a look what the booklet for  
Hex(5AEF9B) contains.

<b>Hex(5AEF9B)</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(5AEF9B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AEF9B
RGB	90, 239, 155
RGB Percent	35%, 94%, 61%
CMY	0.6471, 0.0627, 0.3922
CMYK	0.62, 0.00, 0.35, 0.06
HSL	146°, 82%, 65%
HSV	146°, 62%, 94%
XYZ	40.9993, 66.2732, 41.6415
YIQ	184.8730, -61.8400, -57.7120

# Conversions

## Conversions Part 2

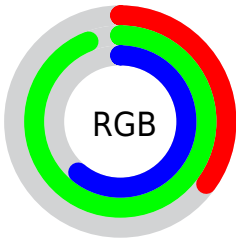
Format	Color
<a href="#">RYB</a>	<a href="#">90, 194, 239</a>
Decimal	<a href="#">5959579</a>
CIELab	<a href="#">85.14, -58.14, 29.20</a>
CIElCh	<a href="#">85, 65.060, 153.333</a>
Yxy	<a href="#">66.2732, 0.2753, 0.4450</a>
Android (android.graphics.Color)	<a href="#">4284149659 (0xFF5AEF9B)</a>
YUV	<a href="#">184.8730, -14.7274, -83.2036</a>
Hunter-Lab	<a href="#">81.4084, -52.5675, 26.6582</a>

# Details

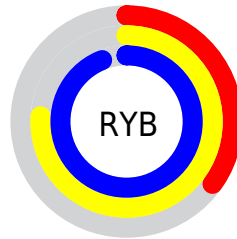
The Hex color **5AEF9B** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **EF5AAE**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **99FFD2**, and **00B667** is the 20% darker color. If you saturate the color by 10%, you get **42EF8E**, and if you desaturate by 10%, it is **72EFA8**.

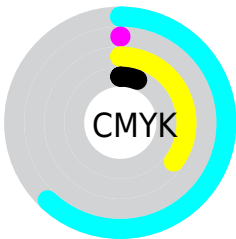
# Distribution



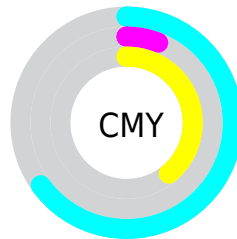
- Red (35%)
- Green (94%)
- Blue (61%)



- Red (35%)
- Yellow (76%)
- Blue (94%)



- Cyan (62%)
- Magenta (0%)
- Yellow (35%)
- Black (6%)



- Cyan (65%)
- Magenta (6%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AEF9B 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 5AEF9B by changing the saturation by 10% instead.



 5AEF9B

FFFFFF

 99FFD2

 B7FFEE


 D6FFFF

 F4FFFF

 5AEF9B

 35D281

 00B667

 009A4E

 007F36

 00651F

 004C07

 003400

 001B00

 000000

 5AEF9B

 5AEF9B

 42EF8E

 72EFA8

 2AEF80

 8AEFB6

 12EF73

 A2EFC3

 00EF68

 BAEFD1

 D2EFDE

 E9EFEC

 FFEFF9

 FFEFFF

# Harmonies

## Analogous

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



B2E569



5AEF9B



00F3DA

# Triad

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



5AEF9B



6BD9FF



FFA894

# Complementary

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



5AEF9B



EF5AAE

# 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.



FF9FD0



5AEF9B



E1C2FF

# Square

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



5AEF9B



00E9FF



FFAAFF



FFBD66

# Rectangle

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



5AEF9B



00F3FF



FFAAFF



FFA3A7

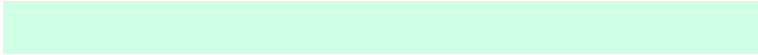


# Sweetspot

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



5AEF9B



CFFFE4



AEEF5A



62806F



000000



808080



# Same Dimension

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



5AEF9B



40FF93



5AEFE5



6C7871



00B850



003818



# Inverse Universe

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



EF5AAE



FF40AC



EF5A64



786C73



B80068

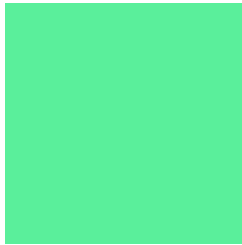


380020



# Previews

## White Background



This preview shows how the Hex color 5AEF9B 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 5AEF9B looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

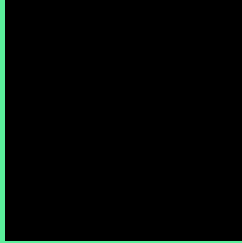
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 5AEF9B Background



This preview shows how black text looks on a background with the Hex color 5AEF9B.

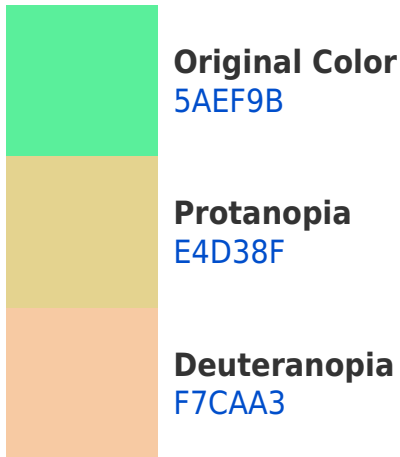


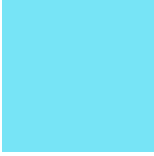
This preview shows how white text looks on a background with the Hex color 5AEF9B.

# 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**  
77E4F6

# Trichromacy



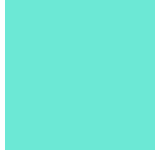
**Original Color**  
5AEF9B



**Protanomaly**  
B2DD93



**Deuteranomaly**  
BED7A0



**Tritanomaly**  
6CE8D5

# Monochromacy



**Original Color**  
5AEF9B



**Achromatopsia**  
B9B9B9



**Achromatomaly**  
96CDAE

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AEF9B 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 #5AEF9B looks like.

```
.text, #text, p{  
    color:#5AEF9B  
}
```

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 #5AEF9B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AEF9B
}
```

## Border

The CSS property to change the border of an element to Hex 5AEF9B 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
#5AEF9B }
```

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

```
.border{ border-color:#5AEF9B }
```

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

Here you see how a box with a 4 pixel #5AEF9B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AEF9B; -webkit-box-shadow:4px 4px  
4px 4px #5AEF9B; box-shadow:4px 4px 4px  
4px #5AEF9B }
```

# Background

The CSS property to change the background color of an element to Hex 5AEF9B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AEF9B }
```

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

```
.background{ background-color:#5AEF9B }
```

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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