

# Converting Colors

Hex(55FFA6)

Have a look what the booklet for  
Hex(55FFA6) contains.

<b>Hex(55FFA6)</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(55FFA6)

# Conversions

## Conversions Part 1

Format	Color
Hex	55FFA6
RGB	85, 255, 166
RGB Percent	33%, 100%, 65%
CMY	0.6667, 0.0000, 0.3490
CMYK	0.67, 0.00, 0.35, 0.00
HSL	149°, 100%, 67%
HSV	149°, 67%, 100%
XYZ	46.3892, 76.2045, 48.3404
YIQ	194.0240, -72.7510, -63.7190

# Conversions

## Conversions Part 2

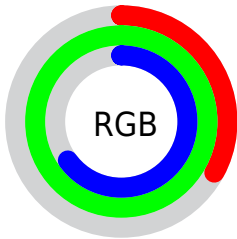
<b>Format</b>	<b>Color</b>
<b>RYB</b>	85, 200, 255
Decimal	5636006
CIELab	89.95, -63.03, 30.11
CIELCh	90, 69.852, 154.469
Yxy	76.2045, 0.2714, 0.4458
Android (android.graphics.Color)	4283826086 (0xFF55FFA6)
YUV	194.0240, -13.8158, -95.6140
Hunter-Lab	87.2952, -57.9104, 28.2743

# Details

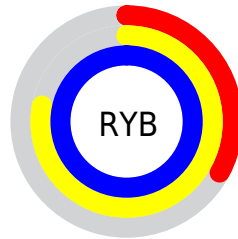
The Hex color **55FFA6** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **FF55AE**, and the grayscale version is **C2C2C2**.

A 20% lighter version of the original color is **97FFDE**, and **00C571** is the 20% darker color. If you saturate the color by 10%, you get **3BFF99**, and if you desaturate by 10%, it is **6EFFB3**.

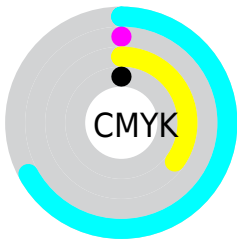
# Distribution



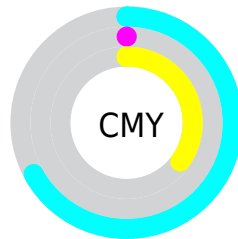
- Red (33%)
- Green (100%)
- Blue (65%)



- Red (33%)
- Yellow (78%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)



- Cyan (67%)
- Magenta (0%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 55FFA6 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 55FFA6 by changing the saturation by 10% instead.



 55FFA6

FFFFFF

 97FFDE

 B7FFFA

 D6FFFF

 F5FFFF

 55FFA6

 2AE28B

 00C571

 00A958

 008D40

 007328

 005911

 004000

 002800

 000000

 55FFA6

 55FFA6

 3BFF99

 6EFFB3

 22FF8B

 88FFC1

 08FF7E

 A2FFCE

 00FF7A

 BBFFDB

 D4FFE9

 EEEFF6

FFFFFF

# Harmonies

## Analogous

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



B9F46E



55FFA6



00FFEB

# Triad

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



55FFA6



73E6FF



FFB29A

# Complementary

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



55FFA6



FF55AE

# 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.



FFA7DB



55FFA6



F3CDFF

# Square

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



55FFA6



00F8FF



FFB3FF



FFCA68

# Rectangle

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



55FFA6



00FFFF



FFB3FF



FFACAF

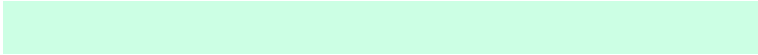


# Sweetspot

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



55FFA6



CCFFE4



B0FF55



61806F



000000



808080



# Same Dimension

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



55FFA6



33FF94



55FFF9



738079



00BF5B



00401E



# Inverse Universe

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



FF55AE



FF339E



FF555B



807379



BF0064

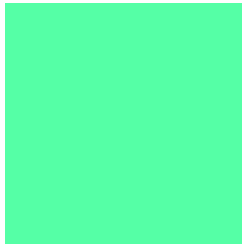


400021



# Previews

## White Background



This preview shows how the Hex color 55FFA6 looks on a white background.

## Color Contrast Check

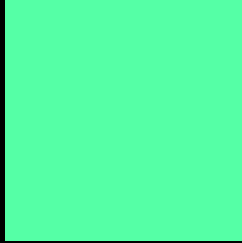
Large Text (above 18pt) WCAG AA × Fail

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 55FFA6 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 55FFA6 Background



This preview shows how black text looks on a background with the Hex color 55FFA6.

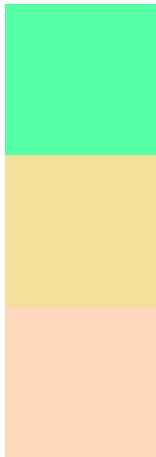


This preview shows how white text looks on a background with the Hex color 55FFA6.

# 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](#).

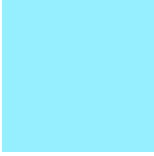
## Dichromacy



**Original Color**  
55FFA6

**Protanopia**  
F3E099

**Deuteranopia**  
FFD9BB



**Tritanopia**  
96EFFF

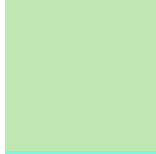
# Trichromacy



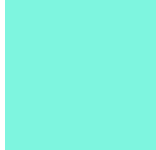
**Original Color**  
55FFA6



**Protanomaly**  
BAEB9E

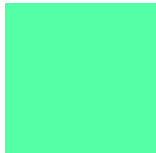


**Deuteranomaly**  
C1E7B3

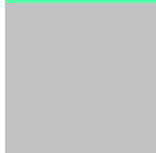


**Tritanomaly**  
7EF5DF

# Monochromacy



**Original Color**  
55FFA6



**Achromatopsia**  
C2C2C2



**Achromatomaly**  
9AD8B8

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 55FFA6 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 #55FFA6 looks like.

```
.text, #text, p{  
    color:#55FFA6  
}
```

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 #55FFA6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #55FFA6
}
```

## Border

The CSS property to change the border of an element to Hex 55FFA6 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
#55FFA6 }
```

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

```
.border{ border-color:#55FFA6 }
```

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

Here you see how a box with a 4 pixel #55FFA6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #55FFA6; -webkit-box-shadow:4px 4px  
4px 4px #55FFA6; box-shadow:4px 4px 4px  
4px #55FFA6 }
```

# Background

The CSS property to change the background color of an element to Hex 55FFA6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#55FFA6 }
```

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

```
.background{ background-color:#55FFA6 }
```

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