

# Converting Colors

Hex(49FFA8)

Have a look what the booklet for  
Hex(49FFA8) contains.

<b>Hex(49FFA8)</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(49FFA8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49FFA8
RGB	73, 255, 168
RGB Percent	29%, 100%, 66%
CMY	0.7137, 0.0000, 0.3412
CMYK	0.71, 0.00, 0.34, 0.00
HSL	151°, 100%, 64%
HSV	151°, 71%, 100%
XYZ	45.5755, 75.7636, 49.2676
YIQ	190.6640, -80.5450, -65.6410

# Conversions

## Conversions Part 2

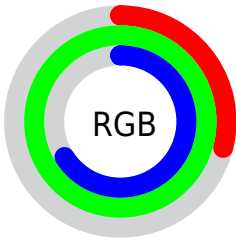
Format	Color
R <sub>Y</sub> B	73, 193, 255
Decimal	4849576
CIE Lab	89.75, -64.46, 28.78
CIE LCh	90, 70.599, 155.939
Yxy	75.7636, 0.2671, 0.4441
Android (android.graphics.Color)	4283039656 (0xFF49FFA8)
YUV	190.6640, -11.1734, -103.1913
Hunter-Lab	87.0423, -58.8610, 27.3704

# Details

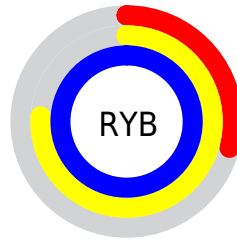
The Hex color **49FFA8** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **FF49A0**, and the grayscale version is **BFBFBF**.

A 20% lighter version of the original color is **8FFFE0**, and **00C573** is the 20% darker color. If you saturate the color by 10%, you get **30FF9C**, and if you desaturate by 10%, it is **62FFB4**.

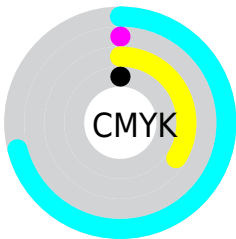
# Distribution



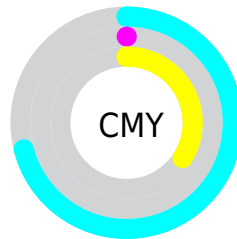
- Red (29%)
- Green (100%)
- Blue (66%)



- Red (29%)
- Yellow (76%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)



- Cyan (71%)
- Magenta (0%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49FFA8 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 49FFA8 by changing the saturation by 10% instead.



 49FFA8

FFFFFF

 8FFFE0

 AFFFFC

 CEFFFF

 EEEFFF

 49FFA8

 0EE28D

 00C573

 00A95A

 008D42

 00732A

 005813

 003F00

 002700

 000000

 49FFA8

 49FFA8

 30FF9C

 62FFB4

 16FF90

 7CFFC0

 00FF85

 95FFCD

 AFFFD9

 C9FFE5

 E2FFF1

 FBFFFD

FFFFFF

# Harmonies

## Analogous

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



B4F46F



49FFA8



00FFED

# Triad

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



49FFA8



79E5FF



FFB296

# Complementary

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



49FFA8



FF49A0

# 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.



FFA6D7



49FFA8



F7CAFF

# Square

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



49FFA8



00F7FF



FFB0FF



FFCA65

# Rectangle

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



49FFA8



00FFFF



FFB0FF



FFABAA

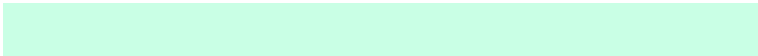


# Sweetspot

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



49FFA8



C9FFE5



A1FF49



608070



000000



808080



# Same Dimension

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



49FFA8



24FF96



49FCFF



738079



00BF64



004021



# Inverse Universe

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



FF49A0



FF248D



FF4C49



807379



BF005B

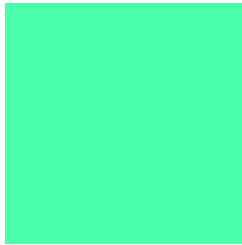


40001E



# Previews

## White Background



This preview shows how the Hex color 49FFA8 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 49FFA8 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 49FFA8 Background



This preview shows how black text looks on a background with the Hex color 49FFA8.

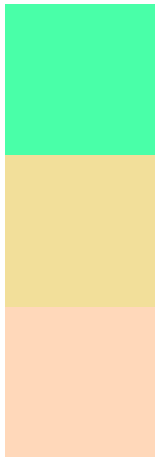


This preview shows how white text looks on a background with the Hex color 49FFA8.

# 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](#).

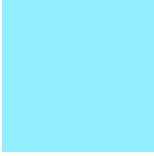
## Dichromacy



**Original Color**  
49FFA8

**Protanopia**  
F2DF9A

**Deuteranopia**  
FFD8BA



**Tritanopia**  
91EFFF

# Trichromacy



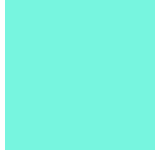
**Original Color**  
49FFA8



**Protanomaly**  
B5EB9F



**Deuteranomaly**  
BDE6B3

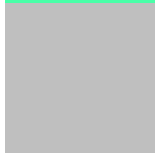


**Tritanomaly**  
77F5DF

# Monochromacy



**Original Color**  
49FFA8



**Achromatopsia**  
BFBFBF



**Achromatomaly**  
94D6B7

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49FFA8 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 #49FFA8 looks like.

```
.text, #text, p{  
    color:#49FFA8  
}
```

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 #49FFA8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49FFA8
}
```

## Border

The CSS property to change the border of an element to Hex 49FFA8 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
#49FFA8 }
```

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

```
.border{ border-color:#49FFA8 }
```

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

Here you see how a box with a 4 pixel #49FFA8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49FFA8; -webkit-box-shadow:4px 4px  
4px 4px #49FFA8; box-shadow:4px 4px 4px  
4px #49FFA8 }
```

# Background

The CSS property to change the background color of an element to Hex 49FFA8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49FFA8 }
```

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

```
.background{ background-color:#49FFA8 }
```

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