

# Converting Colors

Hex(49F286)

Have a look what the booklet for  
Hex(49F286) contains.

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**Color**

**Hex(49F286)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49F286
RGB	73, 242, 134
RGB Percent	29%, 95%, 53%
CMY	0.7137, 0.0510, 0.4745
CMYK	0.70, 0.00, 0.45, 0.05
HSL	142°, 87%, 62%
HSV	142°, 70%, 95%
XYZ	38.8029, 66.6420, 33.3723
YIQ	179.1570, -66.0560, -69.4160

# Conversions

## Conversions Part 2

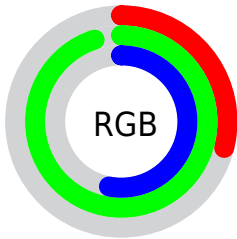
<b>Format</b>	<b>Color</b>
<b>RYB</b>	73, 197, 242
Decimal	4846214
CIELab	85.32, -65.82, 39.85
CIELCh	85, 76.941, 148.808
Yxy	66.6420, 0.2795, 0.4801
Android (android.graphics.Color)	4283036294 (0xFF49F286)
YUV	179.1570, -22.2624, -93.0997
Hunter-Lab	81.6345, -58.0151, 32.9063

# Details

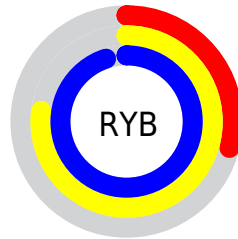
The Hex color **49F286** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **F249B5**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **8DFEBC**, and **00B852** is the 20% darker color. If you saturate the color by 10%, you get **31F277**, and if you desaturate by 10%, it is **61F295**.

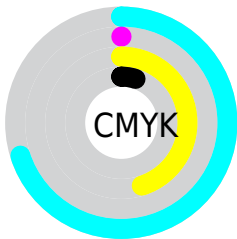
# Distribution



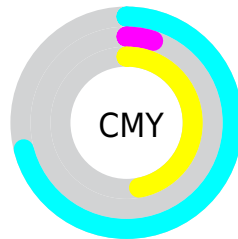
- Red (29%)
- Green (95%)
- Blue (53%)



- Red (29%)
- Yellow (77%)
- Blue (95%)



- Cyan (70%)
- Magenta (0%)
- Yellow (45%)
- Black (5%)



- Cyan (71%)
- Magenta (5%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 49F286 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 49F286 by changing the saturation by 10% instead.



 49F286

FFFFFF

 8DFFBC

 ACFFD9

 CBFFF5

 EAFFFF

 49F286

 15D56C

 00B852

 009D39

 008120

 006702

 004D00

 003600

 001B00

 000000

 49F286

 49F286

 31F277

 61F295

 19F267

 79F2A5

 00F258

 92F2B4

 00F257

 AAF2C4

 C2F2D3

 DAF2E3

 F2F2F2

 FFF2FF

# Harmonies

## Analogous

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



B5E54A



49F286



00F8D0

# Triad

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



49F286



00DEFF



FF9993

# Complementary

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



49F286



F249B5

# 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.



FF91DB



49F286



D0C3FF

# Square

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



49F286



00F0FF



FFA4FF



FFB557

# Rectangle

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



49F286



00F8FF



FFA4FF



FF94AA

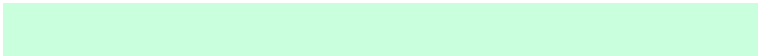


# Sweetspot

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



49F286



C9FFDD



B7F249



60806B



000000



808080



# Same Dimension

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



49F286



29FF76



49F2D9



6C7870



00B842



003814



# Inverse Universe

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



F249B5



FF29B2



F24962



786C74



B80075

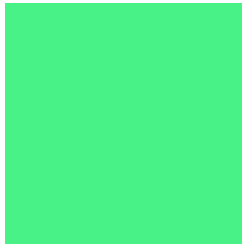


380024



# Previews

## White Background



This preview shows how the Hex color 49F286 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 49F286 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

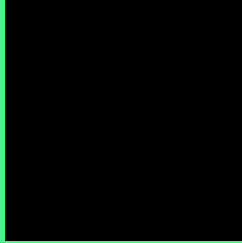
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 49F286 Background



This preview shows how black text looks on a background with the Hex color 49F286.

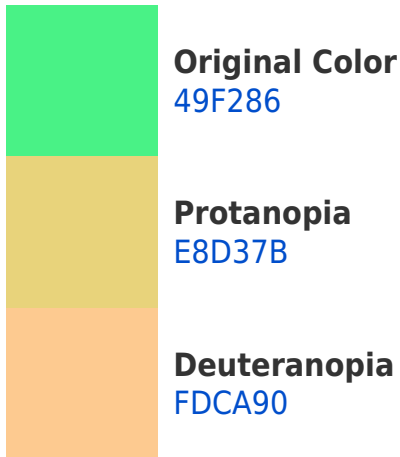


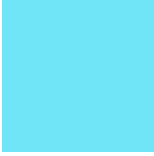
This preview shows how white text looks on a background with the Hex color 49F286.

# 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**  
71E5F8

# Trichromacy



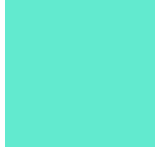
**Original Color**  
49F286



**Protanomaly**  
AEDE7F



**Deuteranomaly**  
BCD98C



**Tritanomaly**  
62EACF

# Monochromacy



**Original Color**  
49F286



**Achromatopsia**  
B3B3B3



**Achromatomaly**  
8CCAA3

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 49F286 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 #49F286 looks like.

```
.text, #text, p{  
    color:#49F286  
}
```

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 #49F286 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49F286
}
```

## Border

The CSS property to change the border of an element to Hex 49F286 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
#49F286 }
```

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

```
.border{ border-color:#49F286 }
```

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

Here you see how a box with a 4 pixel #49F286 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49F286; -webkit-box-shadow:4px 4px  
4px 4px #49F286; box-shadow:4px 4px 4px  
4px #49F286 }
```

# Background

The CSS property to change the background color of an element to Hex 49F286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49F286 }
```

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

```
.background{ background-color:#49F286 }
```

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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