

# Converting Colors

Hex(68F286)

Have a look what the booklet for  
Hex(68F286) contains.

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**Color**

**Hex(68F286)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68F286
RGB	104, 242, 134
RGB Percent	41%, 95%, 53%
CMY	0.5922, 0.0510, 0.4745
CMYK	0.57, 0.00, 0.45, 0.05
HSL	133°, 84%, 68%
HSV	133°, 57%, 95%
XYZ	41.7641, 68.1685, 33.5109
YIQ	188.4260, -47.5800, -62.8440

# Conversions

## Conversions Part 2

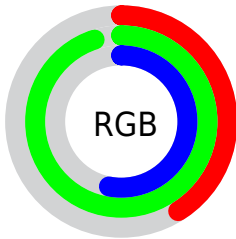
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 217, 242
Decimal	6877830
CIELab	86.09, -59.92, 40.99
CIELCh	86, 72.598, 145.629
Yxy	68.1685, 0.2912, 0.4752
Android (android.graphics.Color)	4285067910 (0xFF68F286)
YUV	188.4260, -26.8320, -74.0416
Hunter-Lab	82.5642, -54.1954, 33.7305

# Details

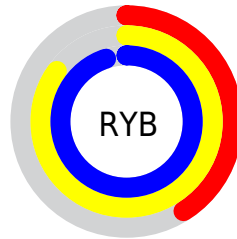
The Hex color **68F286** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **F268D4**, and the grayscale version is **BDBDBD**.

A 20% lighter version of the original color is **A5FFBC**, and **1CB952** is the 20% darker color. If you saturate the color by 10%, you get **50F273**, and if you desaturate by 10%, it is **80F299**.

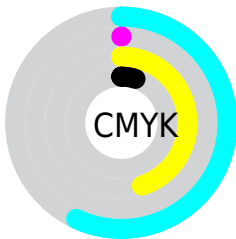
# Distribution



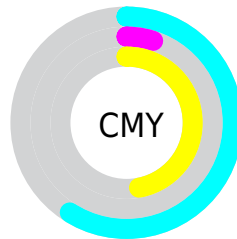
- Red (41%)
- Green (95%)
- Blue (53%)



- Red (41%)
- Yellow (85%)
- Blue (95%)



- Cyan (57%)
- Magenta (0%)
- Yellow (45%)
- Black (5%)



- Cyan (59%)
- Magenta (5%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68F286 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 68F286 by changing the saturation by 10% instead.



 68F286

 68F286


FFFFFF

 47D56C

 A5FFBC

 1CB952

 C3FFD9

 009D39

 E1FFF6

 00821F

 006801

 004E00

 003600


 001E00

 000000

 68F286

 68F286

 50F273

 80F299

 38F260

 98F2AC

 1FF24D

 B1F2BF

 07F23A

 C9F2D2

 00F235

 E1F2E5

 F9F2F8

 FFF2FF

# Harmonies

## Analogous

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



C2E552



68F286



00F8CB

# Triad

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



68F286



00E2FF



FF9EA0

# Complementary

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



68F286



F268D4

# 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.



FF9AE4



68F286



C8C9FF

# Square

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



68F286



00F2FF



FFADFF



FFB666

# Rectangle

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



68F286



00F9FA



FFADFF



FF9AB6

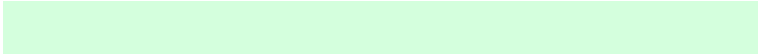


# Sweetspot

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



68F286



D4FFDD



D4F268



66806C



000000



808080



# Same Dimension

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



68F286



52FF77



68F2CB



6C786E



00B828



00380C



# Inverse Universe

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



F268D4



FF52D9



F2688F



786C75



B80090

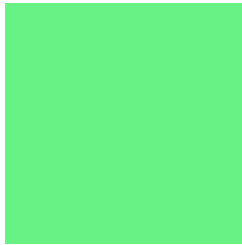


38002C



# Previews

## White Background



This preview shows how the Hex color 68F286 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 68F286 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

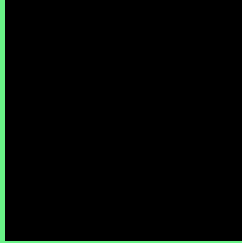
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

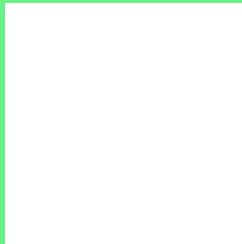
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 68F286 Background



This preview shows how black text looks on a background with the Hex color 68F286.

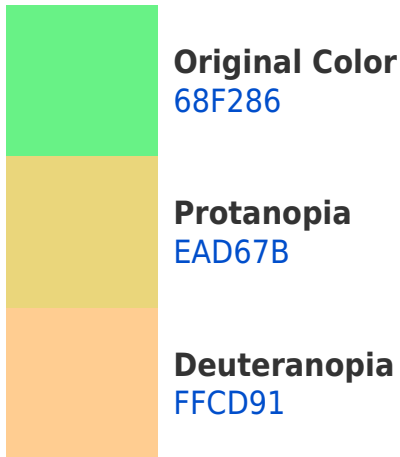


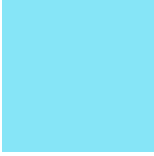
This preview shows how white text looks on a background with the Hex color 68F286.

# 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



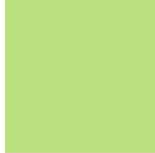


**Tritanopia**  
86E5F7

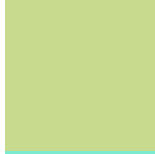
# Trichromacy



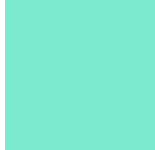
**Original Color**  
68F286



**Protanomaly**  
BBE07F



**Deuteranomaly**  
C8DA8D

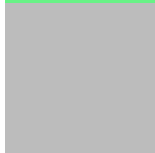


**Tritanomaly**  
7BEACE

# Monochromacy



**Original Color**  
68F286



**Achromatopsia**  
BCBCBC



**Achromatomaly**  
9DD0A8

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68F286 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 #68F286 looks like.

```
.text, #text, p{  
    color:#68F286  
}
```

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 #68F286 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68F286
}
```

## Border

The CSS property to change the border of an element to Hex 68F286 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
#68F286 }
```

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

```
.border{ border-color:#68F286 }
```

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

Here you see how a box with a 4 pixel #68F286 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68F286; -webkit-box-shadow:4px 4px  
4px 4px #68F286; box-shadow:4px 4px 4px  
4px #68F286 }
```

# Background

The CSS property to change the background color of an element to Hex 68F286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68F286 }
```

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

```
.background{ background-color:#68F286 }
```

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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