

# Converting Colors

Hex(78F476)

Have a look what the booklet for  
Hex(78F476) contains.

|  |    |
|--|----|
| <b>Hex(78F476)</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(78F476)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                 |
|---------------|------------------------------|
| Hex           | 78F476                       |
| RGB           | 120, 244, 118                |
| RGB Percent   | 47%, 96%, 46%                |
| CMY           | 0.5294, 0.0431, 0.5373       |
| CMYK          | 0.51, 0.00, 0.52, 0.04       |
| HSL           | 119°, 85%, 71%               |
| HSV           | 119°, 52%, 96%               |
| XYZ           | 43.3664, 70.0024, 28.3657    |
| YIQ           | 192.5600, -33.4580, -65.4740 |

# Conversions

## Conversions Part 2

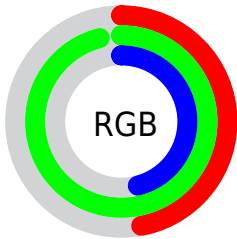
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">118, 244, 242</a>                                |
| Decimal                             | <a href="#">7926902</a>                                      |
| CIELab                              | <a href="#">87.00, -59.03, 49.85</a>                         |
| CIELCh                              | <a href="#">87, 77.264, 139.822</a>                          |
| Yxy                                 | <a href="#">70.0024, 0.3060, 0.4939</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4286116982</a><br>( <a href="#">0xFF78F476</a> ) |
| YUV                                 | <a href="#">192.5600, -36.7581, -63.6351</a>                 |
| Hunter-Lab                          | <a href="#">83.6675, -53.8981, 38.4662</a>                   |

# Details

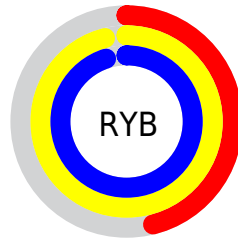
The Hex color **78F476** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **F276F4**, and the grayscale version is **C1C1C1**.

A 20% lighter version of the original color is **B4FFAC**, and **37BB41** is the 20% darker color. If you saturate the color by 10%, you get **60F45E**, and if you desaturate by 10%, it is **90F48E**.

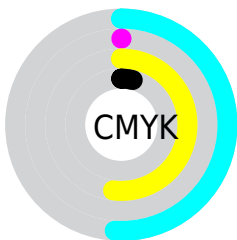
# Distribution



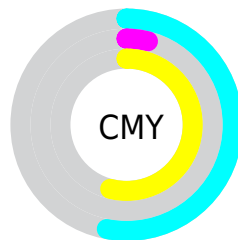
- Red (47%)
- Green (96%)
- Blue (46%)



- Red (46%)
- Yellow (96%)
- Blue (95%)



- Cyan (51%)
- Magenta (0%)
- Yellow (52%)
- Black (4%)



- Cyan (53%)
- Magenta (4%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78F476 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 78F476 by changing the saturation by 10% instead.



 78F476

 78F476


FFFFFF

 59D75C

 B4FFAC

 37BB41

 D2FFC9

 009F26

 F0FFE5

 008402

 006A00

 005000

 003800

 002000

 000000

 78F476

 78F476

 60F45E

 90F48E

 48F445

 A8F4A7

 30F42D

 C0F4BF

 18F414

 D8F4D8

 04F400

 F0F4F0

 FFF4FF

# Harmonies

## Analogous

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



D2E542



78F476



00FCBE

# Triad

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



78F476



00E9FF



FF99AC

# Complementary

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



78F476



F276F4

# Split Complementary

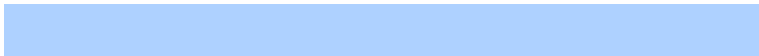
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF99F6



78F476



AED1FF

# Square

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



78F476



00F8FF



FFB1FF



FFB06B

# Rectangle

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



78F476



00DFD1



FFB1FF



FF95C5

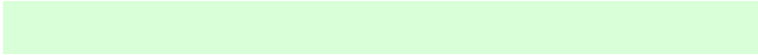


# Sweetspot

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



78F476



D9FFD9



F4F276



698069



000000



808080



# Same Dimension

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



78F476



63FF61



76F4B3



6E7A6E



03BA00



013B00



# Inverse Universe

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



F276F4



FC61FF



F476B7



7A6E7A



B700BA

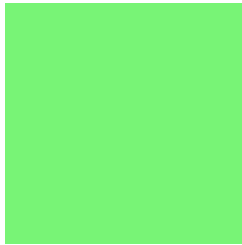


3A003B



# Previews

## White Background



This preview shows how the Hex color 78F476 looks on a white background.

## Color Contrast Check

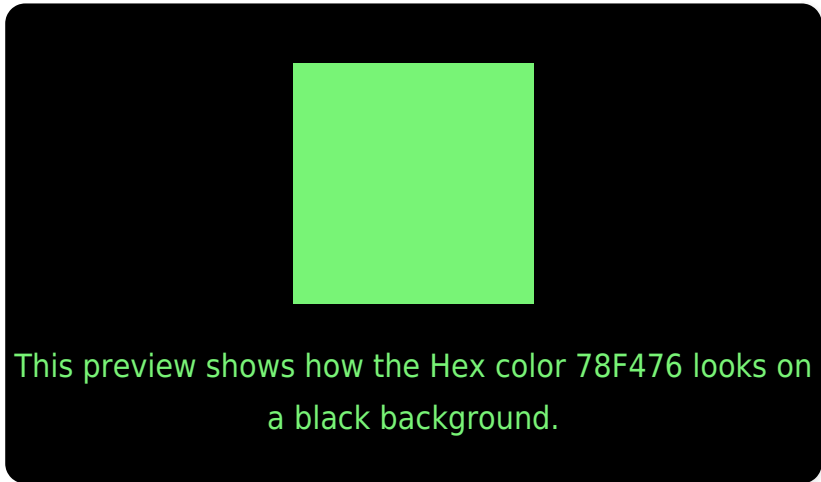
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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

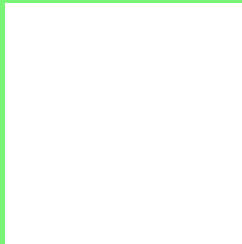
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 78F476 Background



This preview shows how black text looks on a background with the Hex color 78F476.

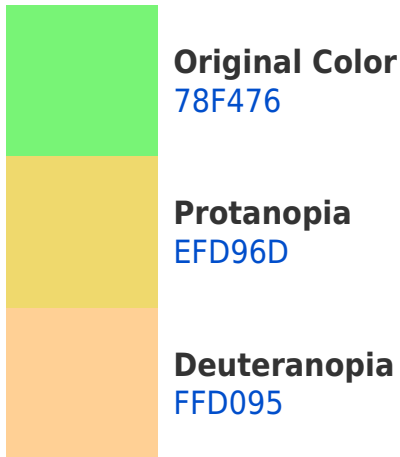


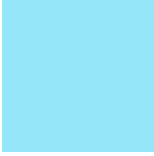
This preview shows how white text looks on a background with the Hex color 78F476.

# 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





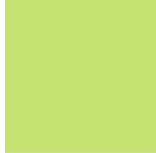
**Tritanopia**  
94E6F8

# Trichromacy



**Original Color**

78F476



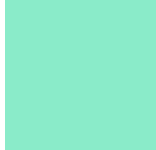
**Protanomaly**

C4E370



**Deuteranomaly**

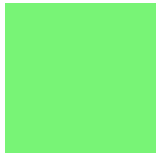
CEDD8A



**Tritanomaly**

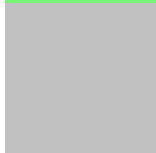
8AEBC9

# Monochromacy



**Original Color**

78F476



**Achromatopsia**

C1C1C1



**Achromatomaly**

A6D4A6

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78F476 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 #78F476 looks like.

```
.text, #text, p{  
    color:#78F476  
}
```

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 #78F476 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78F476
}
```

## Border

The CSS property to change the border of an element to Hex 78F476 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
#78F476 }
```

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

```
.border{ border-color:#78F476 }
```

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

Here you see how a box with a 4 pixel #78F476 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78F476; -webkit-box-shadow:4px 4px  
4px 4px #78F476; box-shadow:4px 4px 4px  
4px #78F476 }
```

# Background

The CSS property to change the background color of an element to Hex 78F476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78F476 }
```

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

```
.background{ background-color:#78F476 }
```

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