

# Converting Colors

Hex(78EE6A)

Have a look what the booklet for  
Hex(78EE6A) contains.

<b>Hex(78EE6A)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(78EE6A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78EE6A
RGB	120, 238, 106
RGB Percent	47%, 93%, 42%
CMY	0.5294, 0.0667, 0.5843
CMYK	0.50, 0.00, 0.55, 0.07
HSL	114°, 80%, 67%
HSV	114°, 55%, 93%
XYZ	40.9218, 66.1827, 24.2534
YIQ	187.6700, -27.9560, -66.0680

# Conversions

## Conversions Part 2

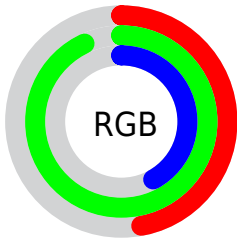
Format	Color
<a href="#">RYB</a>	<a href="#">106, 238, 224</a>
Decimal	<a href="#">7925354</a>
CIELab	<a href="#">85.09, -58.18, 53.06</a>
CIElCh	<a href="#">85, 78.739, 137.638</a>
Yxy	<a href="#">66.1827, 0.3115, 0.5038</a>
Android (android.graphics.Color)	<a href="#">4286115434 (0xFF78EE6A)</a>
YUV	<a href="#">187.6700, -40.2633, -59.3466</a>
Hunter-Lab	<a href="#">81.3528, -52.5789, 39.2710</a>

# Details

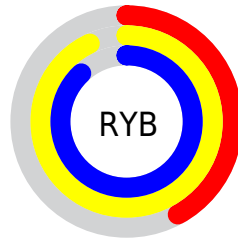
The Hex color **78EE6A** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **E06AEE**, and the grayscale version is **BCBCBC**.

A 20% lighter version of the original color is **B3FFA0**, and **38B534** is the 20% darker color. If you saturate the color by 10%, you get **63EE52**, and if you desaturate by 10%, it is **8DEE82**.

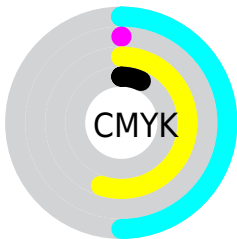
# Distribution



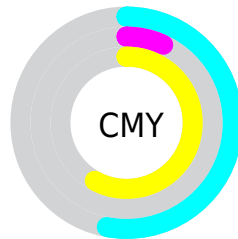
- Red (47%)
- Green (93%)
- Blue (42%)



- Red (42%)
- Yellow (93%)
- Blue (88%)



- Cyan (50%)
- Magenta (0%)
- Yellow (55%)
- Black (7%)



- Cyan (53%)
- Magenta (7%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78EE6A 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 78EE6A by changing the saturation by 10% instead.



 78EE6A

 78EE6A


FFFFFF

 5AD14F

 B3FFA0

 38B534

 D1FFBC

 019A16

 EFFF99

 007F00

 FFFFF6

 006500

 004B00

 003400

 001A00

 000000

 78EE6A

 78EE6A

 63EE52

 8DEE82

 4DEE3A

 A3EE9A

 38EE23

 B8EEB1

 23EE0B

 CDEEC9

 19EE00

 E2EEE1

 F8EEF9

 FFEEFF

# Harmonies

## Analogous

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



D1DE35



78EE6A



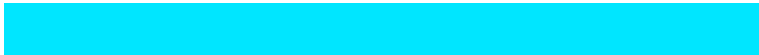
00F6B2

# Triad

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



78EE6A



00E6FF



FF90AC

# Complementary

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



78EE6A



E06AEE

# Split Complementary

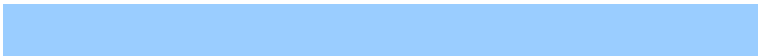
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF92F7



78EE6A



9ACDFF

# Square

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



78EE6A



00F3FF



FFADFF



FFA868

# Rectangle

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



78EE6A



00F8E6



FFADFF



FF8DC4

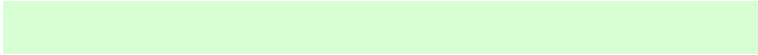


# Sweetspot

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



78EE6A



D8FFD4



EEDF6A



698066



000000



808080



# Same Dimension

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



78EE6A



66FF54



6AEE9D



6D786C



13B800



063800



# Inverse Universe

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



E06AEE



ED54FF



EE6ABB



776C78



A400B8

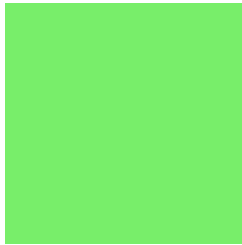


320038



# Previews

## White Background



This preview shows how the Hex color 78EE6A looks on a white background.

## Color Contrast Check

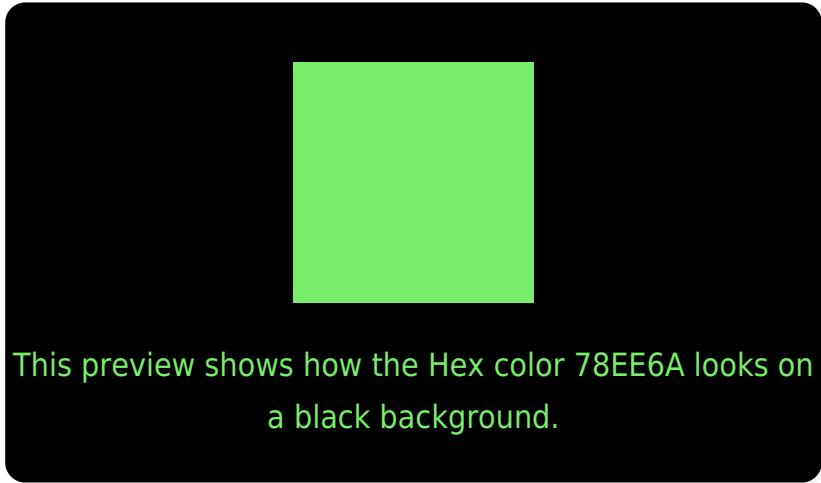
Large Text (above 18pt) WCAG AA × Fail

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

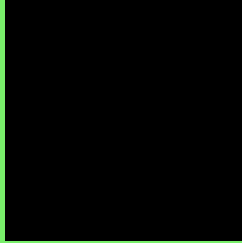
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 78EE6A Background



This preview shows how black text looks on a background with the Hex color 78EE6A.

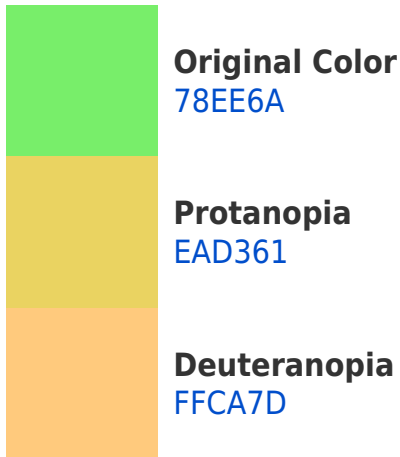


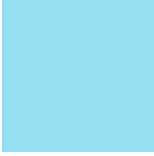
This preview shows how white text looks on a background with the Hex color 78EE6A.

# 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**  
94E0F2

# Trichromacy



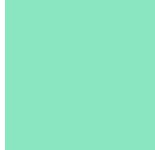
**Original Color**  
78EE6A



**Protanomaly**  
C1DD64



**Deuteranomaly**  
CED776

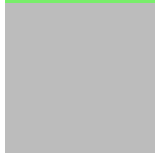


**Tritanomaly**  
8AE5C1

# Monochromacy



**Original Color**  
78EE6A



**Achromatopsia**  
BCBCBC



**Achromatomaly**  
A3CE9E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78EE6A 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 #78EE6A looks like.

```
.text, #text, p{  
    color:#78EE6A  
}
```

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 #78EE6A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78EE6A
}
```

## Border

The CSS property to change the border of an element to Hex 78EE6A 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
#78EE6A }
```

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

```
.border{ border-color:#78EE6A }
```

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

Here you see how a box with a 4 pixel #78EE6A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78EE6A; -webkit-box-shadow:4px 4px  
4px 4px #78EE6A; box-shadow:4px 4px 4px  
4px #78EE6A }
```

# Background

The CSS property to change the background color of an element to Hex 78EE6A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78EE6A }
```

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

```
.background{ background-color:#78EE6A }
```

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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