

# Converting Colors

Hex(7EC871)

Have a look what the booklet for  
Hex(7EC871) contains.

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# **Color**

**Hex(7EC871)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EC871
RGB	126, 200, 113
RGB Percent	49%, 78%, 44%
CMY	0.5059, 0.2157, 0.5569
CMYK	0.37, 0.00, 0.43, 0.22
HSL	111°, 44%, 61%
HSV	111°, 44%, 78%
XYZ	32.2391, 46.9364, 22.9832
YIQ	167.9560, -16.1770, -42.7450

# Conversions

## Conversions Part 2

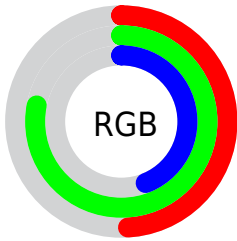
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">113, 200, 187</a>
Decimal	<a href="#">8308849</a>
CIELab	<a href="#">74.15, -39.87, 36.35</a>
CIELCh	<a href="#">74, 53.954, 137.649</a>
Yxy	<a href="#">46.9364, 0.3156, 0.4594</a>
Android (android.graphics.Color)	<a href="#">4286498929 (0xFF7EC871)</a>
YUV	<a href="#">167.9560, -27.0933, -36.7954</a>
Hunter-Lab	<a href="#">68.5102, -35.8953, 28.0670</a>

# Details

The Hex color **7EC871** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **BB71C8**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **B6FFA6**, and **48913F** is the 20% darker color. If you saturate the color by 10%, you get **6DC85D**, and if you desaturate by 10%, it is **8FC885**.

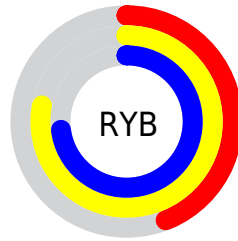
# Distribution



Red (49%)

Green (78%)

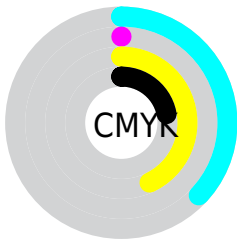
Blue (44%)



Red (44%)

Yellow (78%)

Blue (73%)

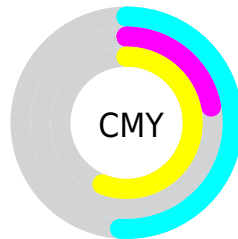


Cyan (37%)

Magenta (0%)

Yellow (43%)

Black (22%)



Cyan (51%)

Magenta (22%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7EC871 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 7EC871 by changing the saturation by 10% instead.



 7EC871

 7EC871

FFFFFF

 63AC58

 B6FFA6

 48913F

 D2FFC2


 2C7727

 EFFFDE

 075E0D

 FFFFFB

 004600

 002F00

 001700

 000000

 7EC871

 7EC871

 6DC85D

 8FC885

 5CC849

 A0C899

 4BC835

 B1C8AD

 3AC821

 C2C8C1

 29C80D

 D3C8D5

 1EC800

 E4C8E9

 F5C8FD

 FFC8FF

# Harmonies

## Analogous

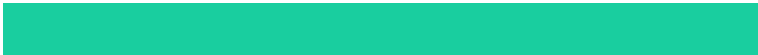
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



B7BD54



7EC871



19CE9F

# Triad

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



7EC871



00C2FF



FF8D9B

# Complementary

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



7EC871



BB71C8

# 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.



FF8FCD



7EC871



98B1FF

# Square

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



7EC871



00CCFE



DF9EFA



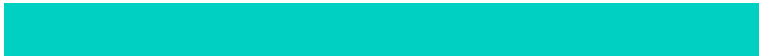
FF9A6F

# Rectangle

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



7EC871



00D0C2



DF9EFA



FF8CAB

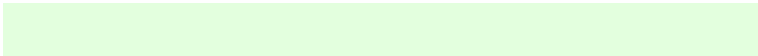


# Sweetspot

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



7EC871



E3FFDE



C8BB71



6E806B



000000



808080



# Same Dimension

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



7EC871



8EFF7A



71C88F



5B635A



18A300



052400



# Inverse Universe

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



BB71C8



EB7AFF



C871AA



625A63



8B00A3



1E0024



# Previews

## White Background



This preview shows how the Hex color 7EC871 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 7EC871 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 7EC871 Background



This preview shows how black text looks on a background with the Hex color 7EC871.

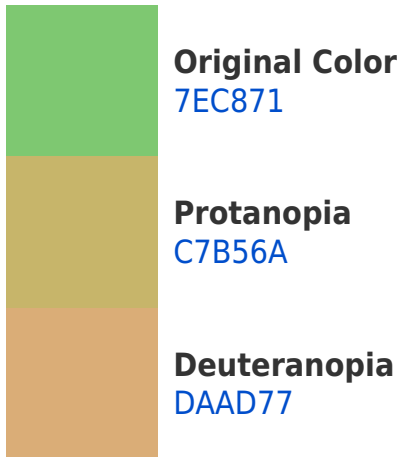


This preview shows how white text looks on a background with the Hex color 7EC871.

# 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](#).

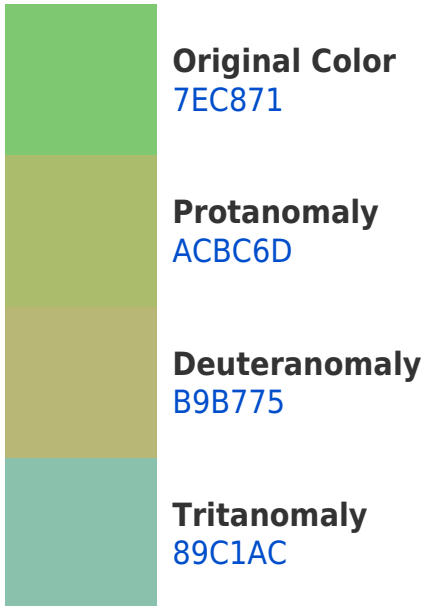
## Dichromacy



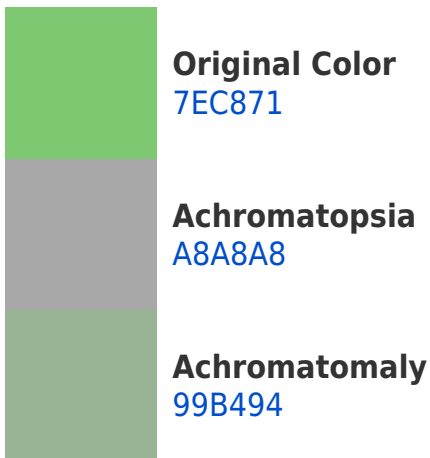


**Tritanopia**  
8FBDCD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7EC871 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 #7EC871 looks like.

```
.text, #text, p{  
    color:#7EC871  
}
```

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 #7EC871 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7EC871
}
```

## Border

The CSS property to change the border of an element to Hex 7EC871 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
#7EC871 }
```

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

```
.border{ border-color:#7EC871 }
```

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

Here you see how a box with a 4 pixel #7EC871 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7EC871; -webkit-box-shadow:4px 4px  
4px 4px #7EC871; box-shadow:4px 4px 4px  
4px #7EC871 }
```

# Background

The CSS property to change the background color of an element to Hex 7EC871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7EC871 }
```

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

```
.background{ background-color:#7EC871 }
```

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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