

# Converting Colors

Hex(87C178)

Have a look what the booklet for  
Hex(87C178) contains.

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**Color**

**Hex(87C178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87C178
RGB	135, 193, 120
RGB Percent	53%, 76%, 47%
CMY	0.4706, 0.2431, 0.5294
CMYK	0.30, 0.00, 0.38, 0.24
HSL	108°, 37%, 61%
HSV	108°, 38%, 76%
XYZ	32.4518, 44.6469, 24.6766
YIQ	167.3360, -11.1350, -34.9990

# Conversions

## Conversions Part 2

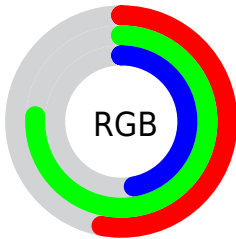
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">120, 193, 178</a>
Decimal	<a href="#">8896888</a>
CIELab	<a href="#">72.66, -32.69, 30.92</a>
CIELCh	<a href="#">73, 44.994, 136.588</a>
Yxy	<a href="#">44.6469, 0.3189, 0.4387</a>
Android (android.graphics.Color)	<a href="#">4287086968 (0xFF87C178)</a>
YUV	<a href="#">167.3360, -23.3366, -28.3587</a>
Hunter-Lab	<a href="#">66.8183, -30.2396, 24.8765</a>

# Details

The Hex color **87C178** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **B278C1**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **BEFAAD**, and **528B46** is the 20% darker color. If you saturate the color by 10%, you get **78C165**, and if you desaturate by 10%, it is **96C18B**.

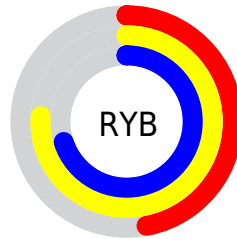
# Distribution



Red (53%)

Green (76%)

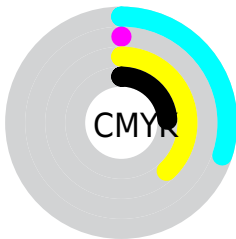
Blue (47%)



Red (47%)

Yellow (76%)

Blue (70%)

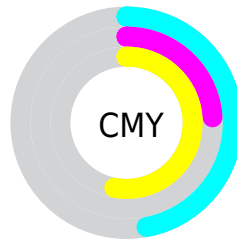


Cyan (30%)

Magenta (0%)

Yellow (38%)

Black (24%)



Cyan (47%)

Magenta (24%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87C178 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 87C178 by changing the saturation by 10% instead.



 87C178

 87C178

FFFFFF

 6CA65F

 BEFAAD

 528B46

 DAFFC9

 39712F

 F7FFE5

 1E5817

 004000

 002A00

 001100

 000000

 87C178

 87C178

 78C165

 96C18B

 68C151

 A6C19F

 59C13E

 B5C1B2

 4AC12B

 C4C1C5

 3AC117

 D4C1D9

 2BC104

 E3C1EC

 28C100

 F2C1FF

 FFC1FF

# Harmonies

## Analogous

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



B6B761



87C178



4CC79E

# Triad

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



87C178



47BCFF



FF929D

# Complementary

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



87C178



B278C1

# 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.



F693C7



87C178



9AAFFF

# Square

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



87C178



00C4ED



D39FEB



F79B78

# Rectangle

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



87C178



00C8BA



D39FEB



FF91AB



# Sweetspot

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



87C178



E4FADE



C1B178



707D6D



FCFCFC



7D7D7D

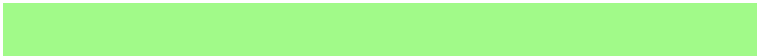


# Same Dimension

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



87C178



A1FA89



78C18D



596157



21A100



072100



# Inverse Universe

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



B278C1



E389FA



C178AC



5F5761



8000A1



1A0021



# Previews

## White Background



This preview shows how the Hex color 87C178 looks on a white background.

## Color Contrast Check

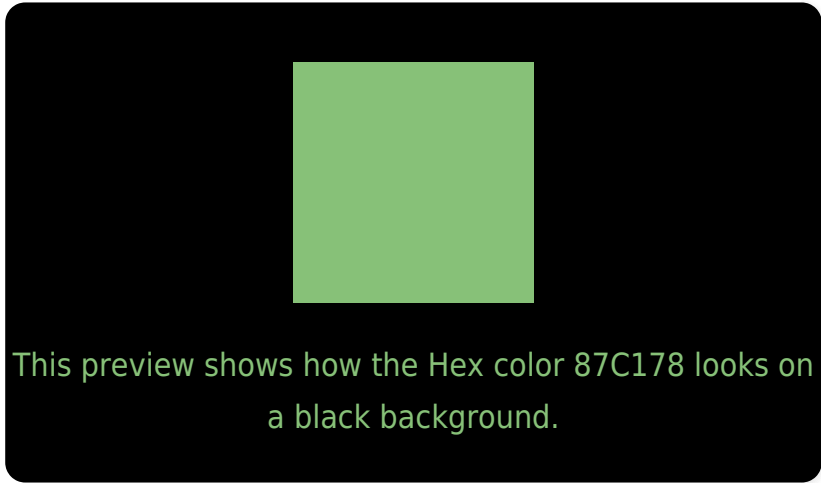
Large Text (above 18pt) WCAG AA × Fail

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 87C178 Background



This preview shows how black text looks on a background with the Hex color 87C178.

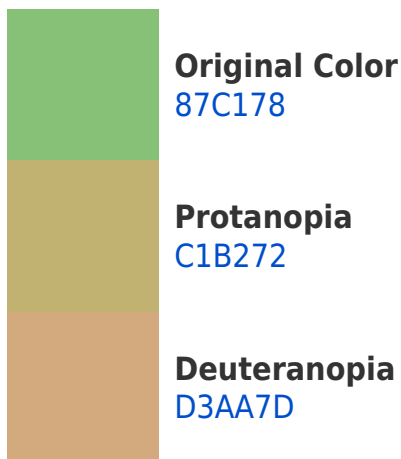


This preview shows how white text looks on a background with the Hex color 87C178.

# 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**  
94B8C6

# Trichromacy



**Original Color**  
87C178



**Protanomaly**  
ACB774



**Deuteranomaly**  
B7B27B



**Tritanomaly**  
8FBBAA

# Monochromacy



**Original Color**  
87C178



**Achromatopsia**  
A7A7A7



**Achromatomaly**  
9BB096

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87C178 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 #87C178 looks like.

```
.text, #text, p{  
    color:#87C178  
}
```

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 #87C178 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87C178
}
```

## Border

The CSS property to change the border of an element to Hex 87C178 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
#87C178 }
```

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

```
.border{ border-color:#87C178 }
```

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

Here you see how a box with a 4 pixel #87C178 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87C178; -webkit-box-shadow:4px 4px  
4px 4px #87C178; box-shadow:4px 4px 4px  
4px #87C178 }
```

# Background

The CSS property to change the background color of an element to Hex 87C178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87C178 }
```

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

```
.background{ background-color:#87C178 }
```

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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