

# Converting Colors

Hex(82BB78)

Have a look what the booklet for  
Hex(82BB78) contains.

<b>Hex(82BB78)</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(82BB78)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82BB78
RGB	130, 187, 120
RGB Percent	51%, 73%, 47%
CMY	0.4902, 0.2667, 0.5294
CMYK	0.30, 0.00, 0.36, 0.27
HSL	111°, 33%, 60%
HSV	111°, 36%, 73%
XYZ	30.3664, 41.6425, 24.2066
YIQ	162.3190, -12.4650, -32.9210

# Conversions

## Conversions Part 2

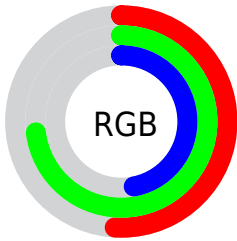
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 187, 177
Decimal	8567672
CIELab	70.62, -31.57, 28.19
CIELCh	71, 42.323, 138.231
Yxy	41.6425, 0.3156, 0.4328
Android (android.graphics.Color)	4286757752 (0xFF82BB78)
YUV	162.3190, -20.8633, -28.3438
Hunter-Lab	64.5310, -28.9324, 22.9311

# Details

The Hex color **82BB78** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **B178BB**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **B9F3AD**, and **4E8546** is the 20% darker color. If you saturate the color by 10%, you get **72BB65**, and if you desaturate by 10%, it is **92BB8B**.

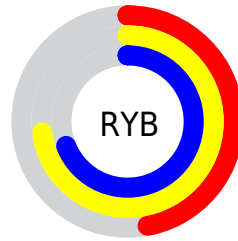
# Distribution



Red (51%)

Green (73%)

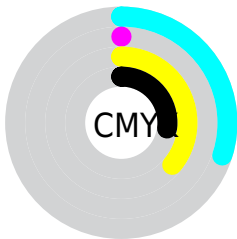
Blue (47%)



Red (47%)

Yellow (73%)

Blue (69%)

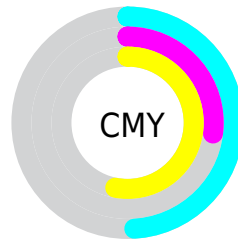


Cyan (30%)

Magenta (0%)

Yellow (36%)

Black (27%)



Cyan (49%)

Magenta (27%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 82BB78 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 82BB78 by changing the saturation by 10% instead.



 82BB78

 82BB78

FFFFFF

 68A05F

 B9F3AD

 4E8546

 D5FFC8

 346C2F

 F2FFE5

 1A5318

 003B00

 002600

 000400

 000000

 82BB78

 82BB78

 72BB65

 92BB8B

 62BB53

 A2BB9D

 52BB40

 B2BBB0

 42BB2D

 C2BBC3

 32BB1B

 D2BBD5

 23BB08

 E1BBE8

 1CBB00

 F1BBFB

 FFBBFF

# Harmonies

## Analogous

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



AEB262



82BB78



4CC09C

# Triad

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



82BB78



52B5F8



F78F97

# Complementary

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



82BB78



B178BB

# 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.



EE90BE



82BB78



9AA8F6

# Square

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



82BB78



00BDE5



CE9AE0



ED9875

# Rectangle

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



82BB78



09C1B6



CE9AE0



F68EA3

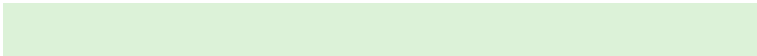


# Sweetspot

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



82BB78



DCF2D8



BBB178



6D7A6A



FAFAFA



7A7A7A



# Same Dimension

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



82BB78



9AF28A



78BB8F



565E55



189E00



051F00



# Inverse Universe

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



B178BB



E38AF2



BB78A4



5D555E



87009E



1A001F



# Previews

## White Background



This preview shows how the Hex color 82BB78 looks on a white background.

## Color Contrast Check

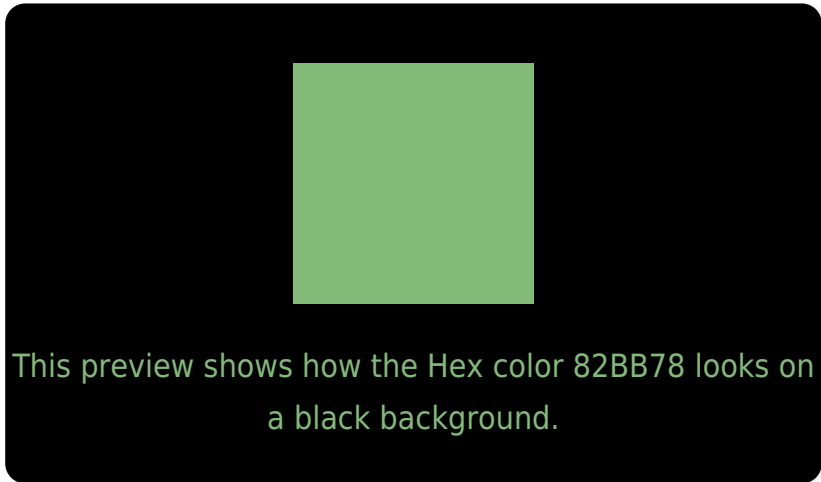
Large Text (above 18pt) WCAG AA × Fail

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

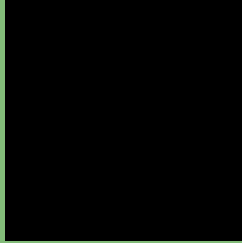
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 82BB78 Background



This preview shows how black text looks on a background with the Hex color 82BB78.

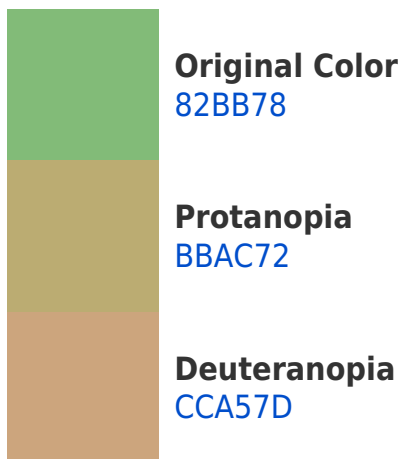


This preview shows how white text looks on a background with the Hex color 82BB78.

# 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](#).

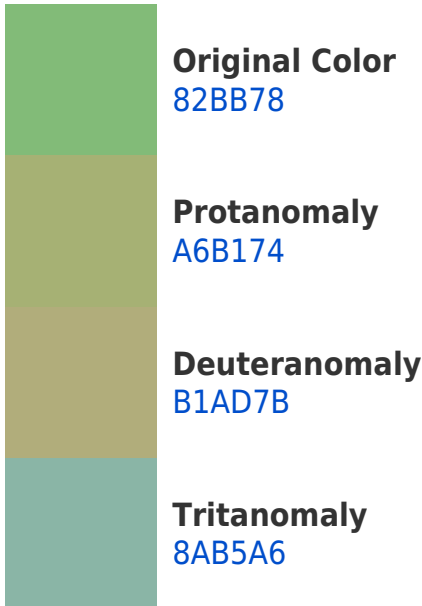
## Dichromacy





**Tritanopia**  
8FB2C0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 82BB78 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 #82BB78 looks like.

```
.text, #text, p{  
    color:#82BB78  
}
```

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 #82BB78 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #82BB78
}
```

## Border

The CSS property to change the border of an element to Hex 82BB78 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
#82BB78 }
```

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

```
.border{ border-color:#82BB78 }
```

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

Here you see how a box with a 4 pixel #82BB78 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #82BB78; -webkit-box-shadow:4px 4px  
4px 4px #82BB78; box-shadow:4px 4px 4px  
4px #82BB78 }
```

# Background

The CSS property to change the background color of an element to Hex 82BB78 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#82BB78 }
```

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

```
.background{ background-color:#82BB78 }
```

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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