

# Converting Colors

Hex(87D584)

Have a look what the booklet for  
Hex(87D584) contains.

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# Color

**Hex(87D584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87D584
RGB	135, 213, 132
RGB Percent	53%, 84%, 52%
CMY	0.4706, 0.1647, 0.4824
CMYK	0.37, 0.00, 0.38, 0.16
HSL	118°, 49%, 68%
HSV	118°, 38%, 84%
XYZ	37.9508, 54.4053, 30.3309
YIQ	180.4440, -20.4870, -41.7270

# Conversions

## Conversions Part 2

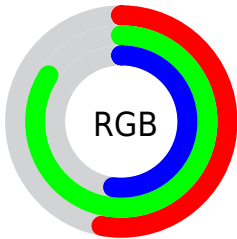
Format	Color
<a href="#">RYB</a>	<a href="#">132, 213, 210</a>
Decimal	<a href="#">8902020</a>
CIELab	<a href="#">78.70, -40.00, 32.65</a>
CIElCh	<a href="#">79, 51.632, 140.771</a>
Yxy	<a href="#">54.4053, 0.3093, 0.4434</a>
Android (android.graphics.Color)	<a href="#">4287092100 (0xFF87D584)</a>
YUV	<a href="#">180.4440, -23.8829, -39.8544</a>
Hunter-Lab	<a href="#">73.7600, -37.2386, 27.2513</a>

# Details

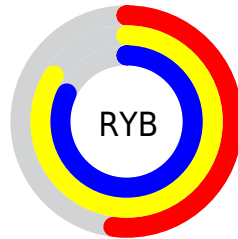
The Hex color **87D584** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **D284D5**, and the grayscale version is **B5B5B5**.

A 20% lighter version of the original color is **BFFFBA**, and **519E51** is the 20% darker color. If you saturate the color by 10%, you get **72D56F**, and if you desaturate by 10%, it is **9CD599**.

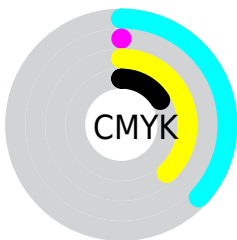
# Distribution



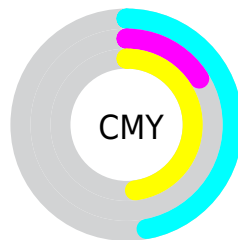
- Red (53%)
- Green (84%)
- Blue (52%)



- Red (52%)
- Yellow (84%)
- Blue (82%)



- Cyan (37%)
- Magenta (0%)
- Yellow (38%)
- Black (16%)



- Cyan (47%)
- Magenta (16%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87D584 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 87D584 by changing the saturation by 10% instead.



 87D584

 87D584

FFFFFF

 6CB96A

 BFFFBA

 519E51

 DCFFD6

 358339

 F9FFF2

 166A21

 005108

 003900

 002500

 000000

 87D584

 87D584

 72D56F

 9CD599

 5ED559

 B0D5AF

 49D544

 C5D5C4

 35D52F

 D9D5D9

 20D51A

 EED5EF

 0CD504

 FFD5FF

 08D500

# Harmonies

## Analogous

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



BFCA66



87D584



34DBB2

# Triad

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



87D584



4CCCF



FF9DA3

# Complementary

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



87D584



D284D5

# 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.



FF9DD4



87D584



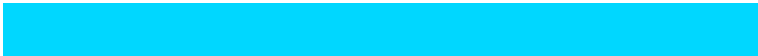
B0BCFF

# Square

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



87D584



00D7FF



F0AAFF



FFAA7A

# Rectangle

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



87D584



00DCD3



F0AAFF



FF9BB3

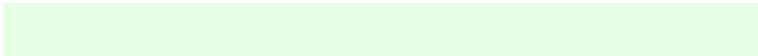


# Sweetspot

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



87D584



E4FFE3



D5D184



70806F



000000



808080



# Same Dimension

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



87D584



8EFF8A



84D5A8



616B60



06AB00



022B00



# Inverse Universe

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



D284D5



FB8AFF



D584B1



6B606B



A500AB

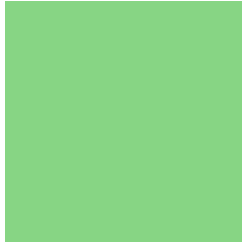


2A002B



# Previews

## White Background



This preview shows how the Hex color 87D584 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 87D584 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

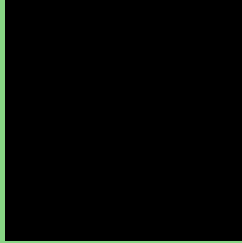
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87D584 Background



This preview shows how black text looks on a background with the Hex color 87D584.

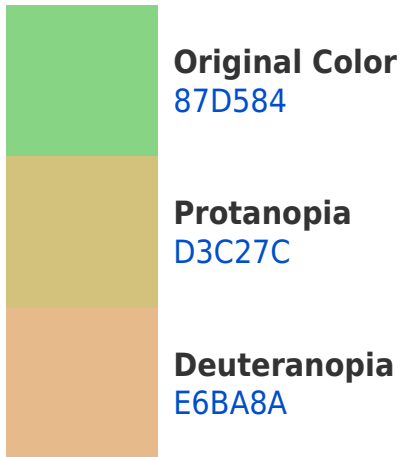


This preview shows how white text looks on a background with the Hex color 87D584.

# 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](#).

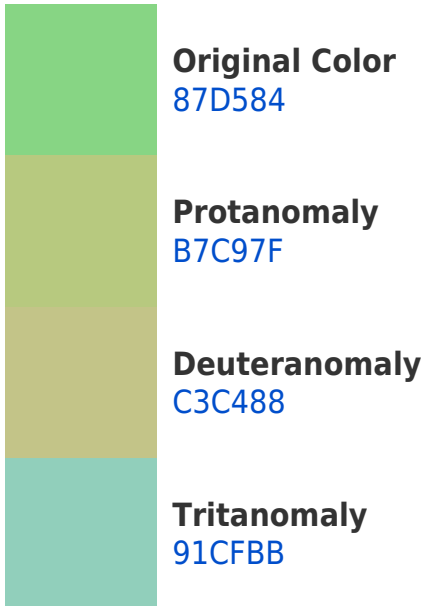
## Dichromacy



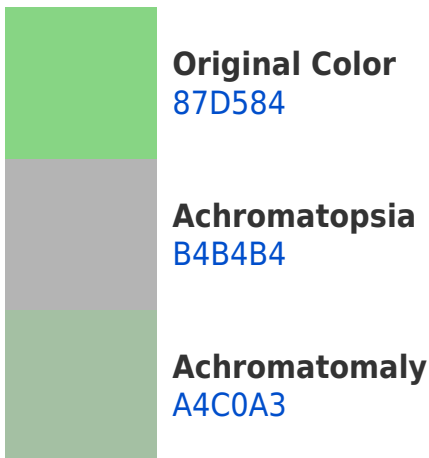


**Tritanopia**  
97CBDB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87D584 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 #87D584 looks like.

```
.text, #text, p{  
    color:#87D584  
}
```

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 #87D584 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87D584
}
```

## Border

The CSS property to change the border of an element to Hex 87D584 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
#87D584 }
```

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

```
.border{ border-color:#87D584 }
```

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

Here you see how a box with a 4 pixel #87D584 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87D584; -webkit-box-shadow:4px 4px  
4px 4px #87D584; box-shadow:4px 4px 4px  
4px #87D584 }
```

# Background

The CSS property to change the background color of an element to Hex 87D584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87D584 }
```

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

```
.background{ background-color:#87D584 }
```

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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