

# Converting Colors

Hex(87D889)

Have a look what the booklet for  
Hex(87D889) contains.

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# **Color**

**Hex(87D889)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87D889
RGB	135, 216, 137
RGB Percent	53%, 85%, 54%
CMY	0.4706, 0.1529, 0.4627
CMYK	0.38, 0.00, 0.37, 0.15
HSL	121°, 51%, 69%
HSV	121°, 38%, 85%
XYZ	39.0629, 56.0688, 32.4304
YIQ	182.7750, -22.9170, -41.7410

# Conversions

## Conversions Part 2

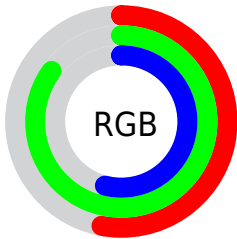
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 214, 216</a>
Decimal	<a href="#">8902793</a>
CIELab	<a href="#">79.65, -40.55, 31.35</a>
CIELCh	<a href="#">80, 51.259, 142.290</a>
Yxy	<a href="#">56.0688, 0.3062, 0.4395</a>
Android (android.graphics.Color)	<a href="#">4287092873 (0xFF87D889)</a>
YUV	<a href="#">182.7750, -22.5671, -41.8987</a>
Hunter-Lab	<a href="#">74.8791, -37.9186, 26.7366</a>

# Details

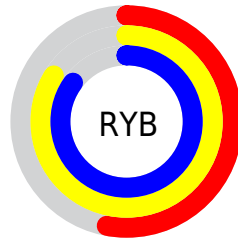
The Hex color **87D889** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **D887D6**, and the grayscale version is **B7B7B7**.

A 20% lighter version of the original color is **BFFFBF**, and **50A156** is the 20% darker color. If you saturate the color by 10%, you get **71D874**, and if you desaturate by 10%, it is **9DD89E**.

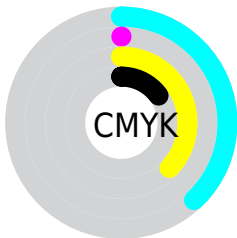
# Distribution



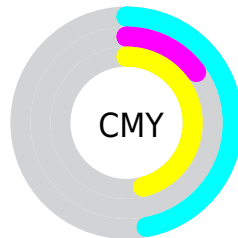
- Red (53%)
- Green (85%)
- Blue (54%)



- Red (53%)
- Yellow (84%)
- Blue (85%)



- Cyan (38%)
- Magenta (0%)
- Yellow (37%)
- Black (15%)



- Cyan (47%)
- Magenta (15%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87D889 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 87D889 by changing the saturation by 10% instead.



 87D889

 87D889

FFFFFF

 6CBC6F

 BFFFBF

 50A156

 DCFFDB

 35863E

 F9FFF8

 146C26

 00530E

 003B00

 002700

 000000

 87D889

 87D889

 71D874

 9DD89E

 5CD85F

 B2D8B3

 46D84A

 C8D8C8

 31D835

 DDD8DD

 1BD820

 F3D8F2

 05D80B

 FFD8FF

 00D805

# Harmonies

## Analogous

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



BFCE6A



87D889



34DDB7

# Triad

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



87D889



59CEFF



FFA0A4

# Complementary

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



87D889



D887D6

# 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.



FF9FD4



87D889



B7BEFF

# Square

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



87D889



00D9FF



F5ACFF



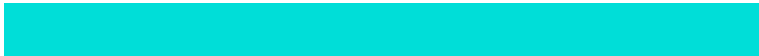
FFAD7B

# Rectangle

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



87D889



00DED8



F5ACFF



FF9EB3

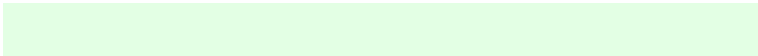


# Sweetspot

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



87D889



E3FFE4



D7D887



6F806F



000000



808080

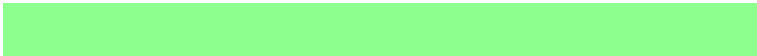


# Same Dimension

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



87D889



8CFF8F



87D8B1



606B61



00AB04



002B01



# Inverse Universe

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



D887D6



FF8CFC



D887AE



6B606B



AB00A7

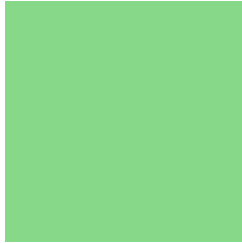


2B002A



# Previews

## White Background



This preview shows how the Hex color 87D889 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 87D889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

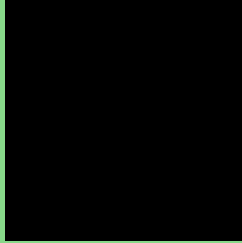
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87D889 Background



This preview shows how black text looks on a background with the Hex color 87D889.

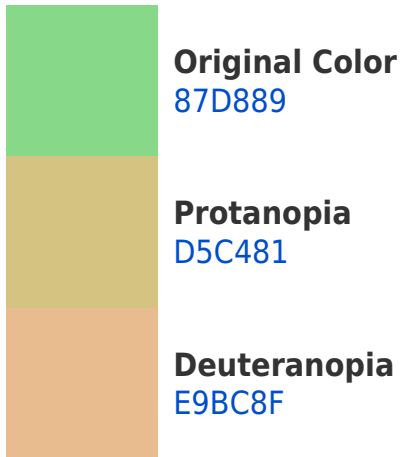


This preview shows how white text looks on a background with the Hex color 87D889.

# Color Blindness Simulation

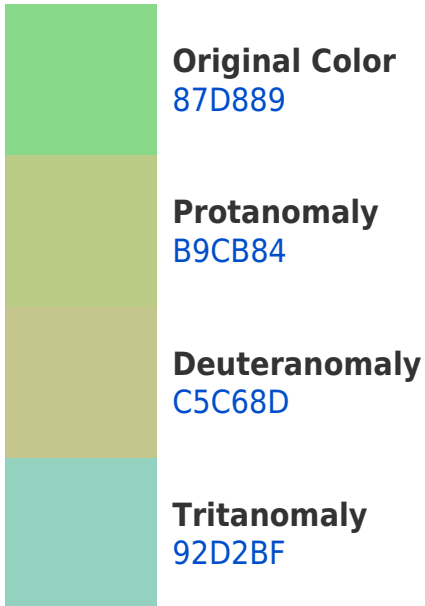
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

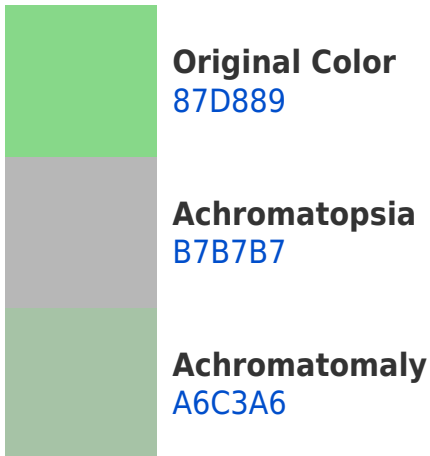




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87D889 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 #87D889 looks like.

```
.text, #text, p{  
    color:#87D889  
}
```

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 #87D889 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87D889
}
```

## Border

The CSS property to change the border of an element to Hex 87D889 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
#87D889 }
```

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

```
.border{ border-color:#87D889 }
```

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

Here you see how a box with a 4 pixel #87D889 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87D889; -webkit-box-shadow:4px 4px  
4px 4px #87D889; box-shadow:4px 4px 4px  
4px #87D889 }
```

# Background

The CSS property to change the background color of an element to Hex 87D889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87D889 }
```

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

```
.background{ background-color:#87D889 }
```

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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