

# Converting Colors

Hex(837DC6)

Have a look what the booklet for  
Hex(837DC6) contains.

<b>Hex(837DC6)</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(837DC6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	837DC6
RGB	131, 125, 198
RGB Percent	51%, 49%, 78%
CMY	0.4863, 0.5098, 0.2235
CMYK	0.34, 0.37, 0.00, 0.22
HSL	245°, 39%, 63%
HSV	245°, 37%, 78%
XYZ	26.8867, 23.5697, 56.5584
YIQ	135.1160, -19.8570, 23.9750

# Conversions

## Conversions Part 2

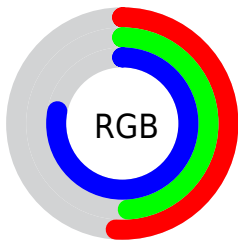
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 125, 198
Decimal	8617414
CIELab	55.65, 19.37, -37.23
CIELCh	56, 41.966, 297.485
Yxy	23.5697, 0.2512, 0.2202
Android (android.graphics.Color)	4286807494 (0xFF837DC6)
YUV	135.1160, 31.0018, -3.6097
Hunter-Lab	48.5487, 13.8948, -35.0878

# Details

The Hex color **837DC6** is a light color, and the websafe version is hex **666699**. A complement of this color would be **C0C67D**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **BAB2FF**, and **4E4C90** is the 20% darker color. If you saturate the color by 10%, you get **7169C6**, and if you desaturate by 10%, it is **9591C6**.

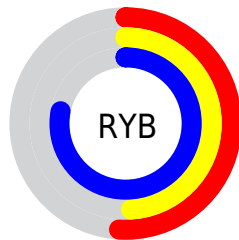
# Distribution



Red (51%)

Green (49%)

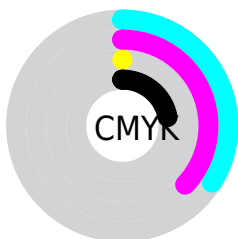
Blue (78%)



Red (51%)

Yellow (49%)

Blue (78%)

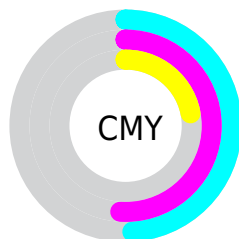


Cyan (34%)

Magenta (37%)

Yellow (0%)

Black (22%)



Cyan (49%)

Magenta (51%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 837DC6 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 837DC6 by changing the saturation by 10% instead.



837DC6

837DC6

FFFFFF

6864AA

BAB2FF

4E4C90

D6CDFF

343576

F3E9FF

19205D

000C45

00032E

000118

000000

837DC6

837DC6

7169C6

9591C6

5F55C6

A7A5C6

4C42C6

BAB8C6

3A2EC6

CCCCC6

281AC6

DEE0C6

1606C6

F0F4C6

1000C6

FFFFC6

# Harmonies

## Analogous

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



3B8ACE



837DC6



AF6FAD

# Triad

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



837DC6



BA7549



009881

# Complementary

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



837DC6



C0C67D

# 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.



4C945D



837DC6



9E823A

# Square

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



837DC6



C96A66



798D42



0097A6

# Rectangle

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



837DC6



C16996



798D42



199774



# Sweetspot

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



837DC6



E5E3FF



7DC1C6



706F80



000000



808080



# Same Dimension

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



837DC6



988FFF



A67DC6



5A5A63



0D00A3



030024



# Inverse Universe

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



C67DC0



FF8FF6



9DC67D



635A63



A30096

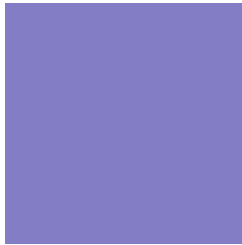


240021



# Previews

## White Background



This preview shows how the Hex color 837DC6 looks on a white background.

## Color Contrast Check

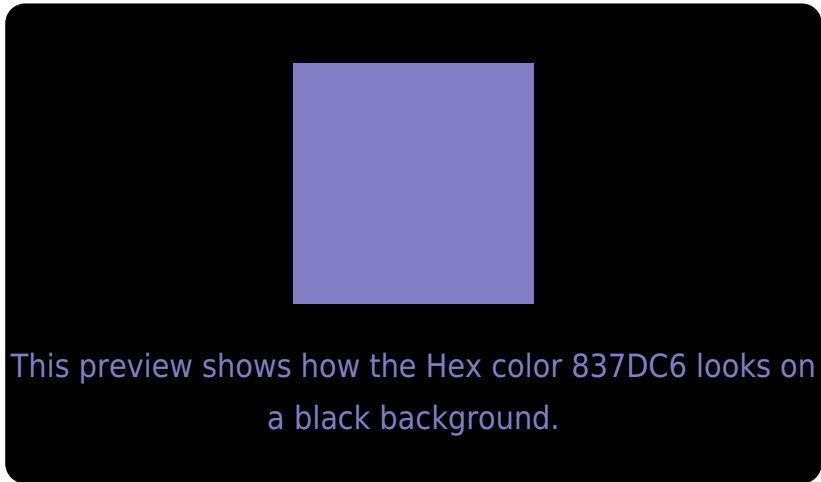
Large Text (above 18pt) WCAG AA ✓ Pass

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

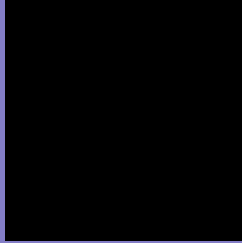
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 837DC6 Background



This preview shows how black text looks on a background with the Hex color 837DC6.

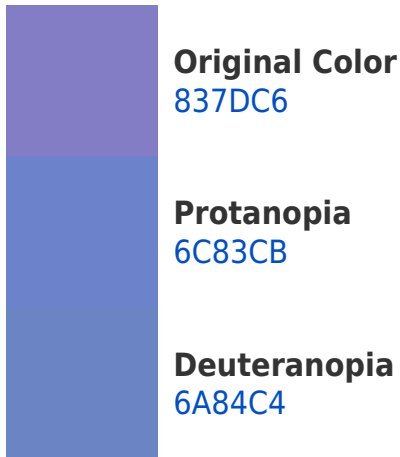


This preview shows how white text looks on a background with the Hex color 837DC6.

# 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](#).

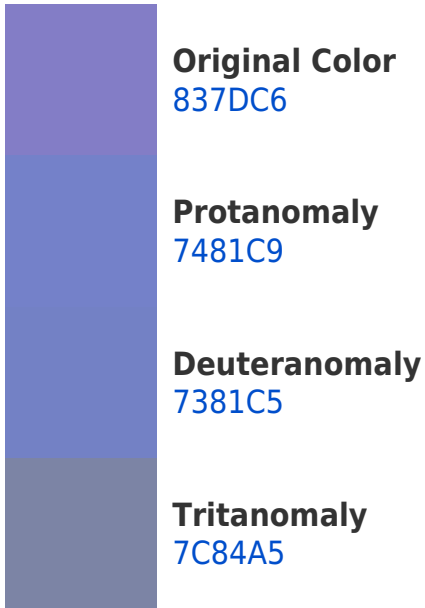
## Dichromacy





**Tritanopia**  
788892

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 837DC6 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 #837DC6 looks like.

```
.text, #text, p{  
    color:#837DC6  
}
```

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 #837DC6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #837DC6  
}
```

## Border

The CSS property to change the border of an element to Hex 837DC6 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  
#837DC6 }
```

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

```
.border{ border-color:#837DC6 }
```

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

Here you see how a box with a 4 pixel #837DC6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #837DC6; -webkit-box-shadow:4px 4px  
4px 4px #837DC6; box-shadow:4px 4px 4px  
4px #837DC6 }
```

# Background

The CSS property to change the background color of an element to Hex 837DC6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#837DC6 }
```

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

```
.background{ background-color:#837DC6 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor