

# Converting Colors

Hex(834DB0)

Have a look what the booklet for  
Hex(834DB0) contains.

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# Color

**Hex(834DB0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	834DB0
RGB	131, 77, 176
RGB Percent	51%, 30%, 69%
CMY	0.4863, 0.6980, 0.3098
CMYK	0.26, 0.56, 0.00, 0.31
HSL	273°, 39%, 50%
HSV	273°, 56%, 69%
XYZ	19.8504, 13.2676, 42.5890
YIQ	104.4320, 0.4050, 42.2370

# Conversions

## Conversions Part 2

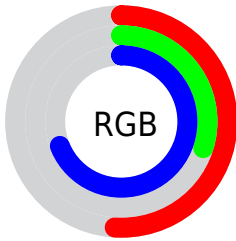
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 77, 176
Decimal	8605104
CIE <sub>Lab</sub>	43.16, 41.64, -44.26
CIE <sub>LCh</sub>	43, 60.765, 313.251
Yxy	13.2676, 0.2622, 0.1752
Android (android.graphics.Color)	4286795184 (0xFF834DB0)
YUV	104.4320, 35.2830, 23.3001
Hunter-Lab	36.4248, 33.5339, -43.8264

# Details

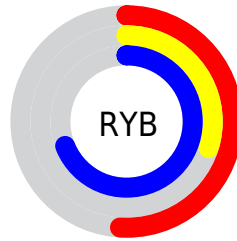
The Hex color **834DB0** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **7AB04D**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **BA80E8**, and **4E1C7B** is the 20% darker color. If you saturate the color by 10%, you get **7B3BB0**, and if you desaturate by 10%, it is **8B5FB0**.

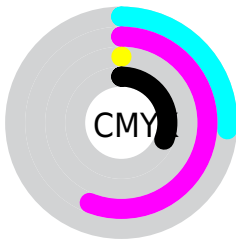
# Distribution



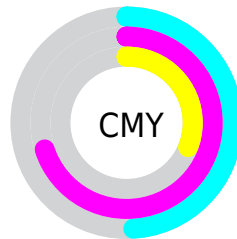
- Red (51%)
- Green (30%)
- Blue (69%)



- Red (51%)
- Yellow (30%)
- Blue (69%)



- Cyan (26%)
- Magenta (56%)
- Yellow (0%)
- Black (31%)



- Cyan (49%)
- Magenta (70%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 834DB0 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 834DB0 by changing the saturation by 10% instead.



834DB0

834DB0

FFFFFF

683495

BA80E8

4E1C7B

D79BFF

330061

F4B6FF

1A0049

FFD2FF

000032

FFEFFF

00011C

000000

834DB0

834DB0

7B3BB0

8B5FB0

 732AB0

 9370B0

 6B18B0

 9B82B0

 6307B0

 A393B0

 6000B0

 ABA5B0

 B3B7B0

 BBC8B0

 C3DAB0

 CBEBB0

# Harmonies

## Analogous

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



0065C9



834DB0



B13284

# Triad

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



834DB0



925900



007C7C

# Complementary

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



834DB0



7AB04D

# 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.



007A47



834DB0



676B00

# Square

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



834DB0



B14122



29750F



007BAA

# Rectangle

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



834DB0



BD2963



29750F



007C6A



# Sweetspot

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



834DB0



D4BEE6



4D7BB0



685C73



F2F2F2



737373



# Same Dimension

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



834DB0



9F49E6



B04DAD



555059



530099



0E001A



# Inverse Universe

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



B04D7A



E64990



4DB050



595054



990046



1A000C



# Previews

## White Background



This preview shows how the Hex color 834DB0 looks on a white background.

## Color Contrast Check

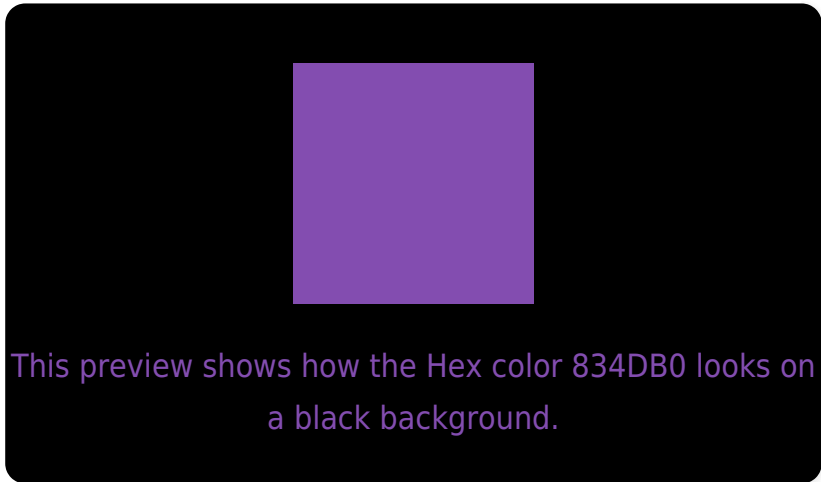
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

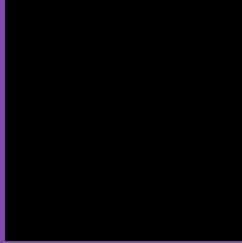
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 834DB0 Background



This preview shows how black text looks on a background with the Hex color 834DB0.

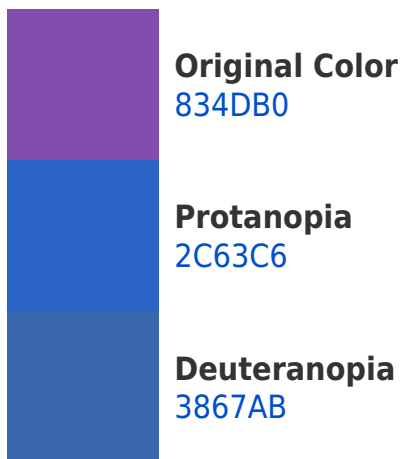


This preview shows how white text looks on a background with the Hex color 834DB0.

# 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](#).

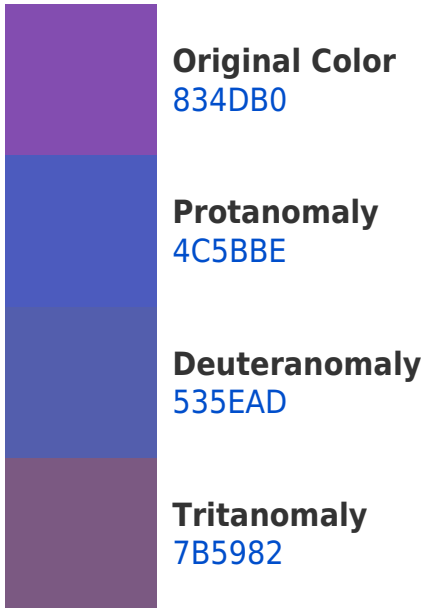
## Dichromacy



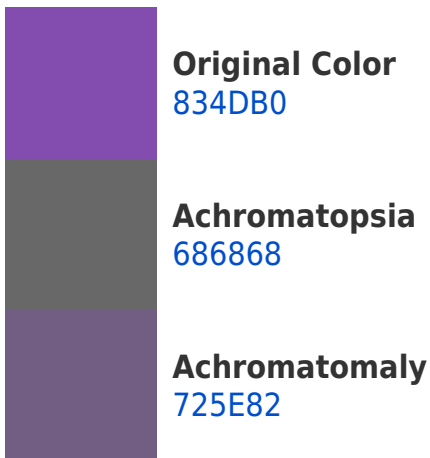


**Tritanopia**  
766068

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 834DB0 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 #834DB0 looks like.

```
.text, #text, p{  
    color:#834DB0  
}
```

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 #834DB0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #834DB0
}
```

## Border

The CSS property to change the border of an element to Hex 834DB0 is called "border". The border property can be set on classes, ids or directly on the HTML element.

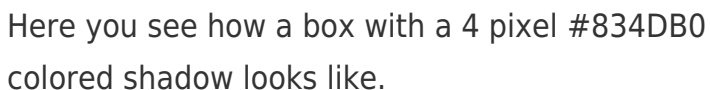
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#834DB0 }
```

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

```
.border{ border-color:#834DB0 }
```

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



Here you see how a box with a 4 pixel #834DB0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #834DB0; -webkit-box-shadow:4px 4px  
4px 4px #834DB0; box-shadow:4px 4px 4px  
4px #834DB0 }
```

# Background

The CSS property to change the background color of an element to Hex 834DB0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#834DB0 }
```

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

```
.background{ background-color:#834DB0 }
```

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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