

# Converting Colors

Hex(8234EC)

Have a look what the booklet for  
Hex(8234EC) contains.

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**Color**

**Hex(8234EC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8234EC
RGB	130, 52, 236
RGB Percent	51%, 20%, 93%
CMY	0.4902, 0.7961, 0.0745
CMYK	0.45, 0.78, 0.00, 0.07
HSL	265°, 83%, 56%
HSV	265°, 78%, 93%
XYZ	25.5742, 13.2579, 80.5680
YIQ	96.2980, -12.5760, 73.7600

# Conversions

## Conversions Part 2

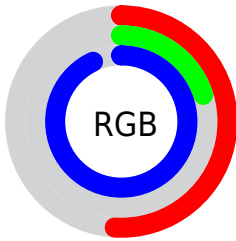
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	130, 52, 236
Decimal	8533228
CIE Lab	43.15, 67.84, -78.92
CIE LCh	43, 104.066, 310.684
Yxy	13.2579, 0.2142, 0.1110
Android (android.graphics.Color)	4286723308 (0xFF8234EC)
YUV	96.2980, 68.8731, 29.5567
Hunter-Lab	36.4115, 61.6526, -105.7036

# Details

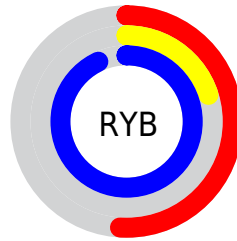
The Hex color **8234EC** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **9EEC34**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **BF6BFF**, and **4200B3** is the 20% darker color. If you saturate the color by 10%, you get **741CEC**, and if you desaturate by 10%, it is **904CEC**.

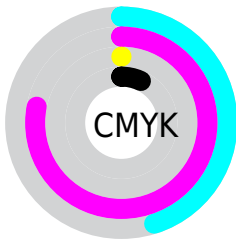
# Distribution



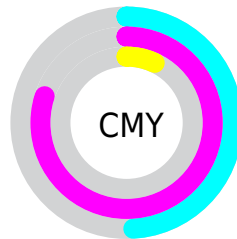
- Red (51%)
- Green (20%)
- Blue (93%)



- Red (51%)
- Yellow (20%)
- Blue (93%)



- Cyan (45%)
- Magenta (78%)
- Yellow (0%)
- Black (7%)



- Cyan (49%)
- Magenta (80%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8234EC 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 8234EC by changing the saturation by 10% instead.



 8234EC

 8234EC

FFFFFF

 6312CF

 BF6BFF

 4200B3

 DD87FF

 160097

 FCA3FF

 00007C

 FFBFFF

 000062

 FFDCFF

 000949

 FFF9FF

 000432

 00011C

 000000

■ 8234EC

■ 8234EC

■ 741CEC

■ 904CEC

■ 6705EC

■ 9D63EC

■ 6400EC

■ AB7BEC

■ B892EC

■ C6AAEC

■ D4C2EC

■ E1D9EC

■ EFF1EC

■ FCFECC

# Harmonies

## Analogous

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



006AFF



8234EC



DB00A1

# Triad

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



8234EC



A84B00



008484

# Complementary

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



8234EC



9EEC34

# 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.



008226



8234EC



616D00

# Square

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



8234EC



DB0000



007C00



0085D7

# Rectangle

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



8234EC



EF0068



007C00



008466



# Sweetspot

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



8234EC



DDC4FF



349FEC



6B5C80



000000



808080



# Same Dimension

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



8234EC



750FFF



DD34EC



6F6A75



4D00B5



170036



# Inverse Universe

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



EC349E



FF0F99



43EC34



756A70



B50068

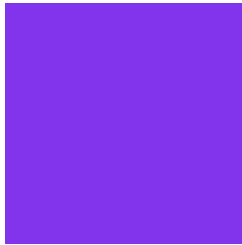


36001F



# Previews

## White Background



This preview shows how the Hex color 8234EC looks on a white background.

## Color Contrast Check

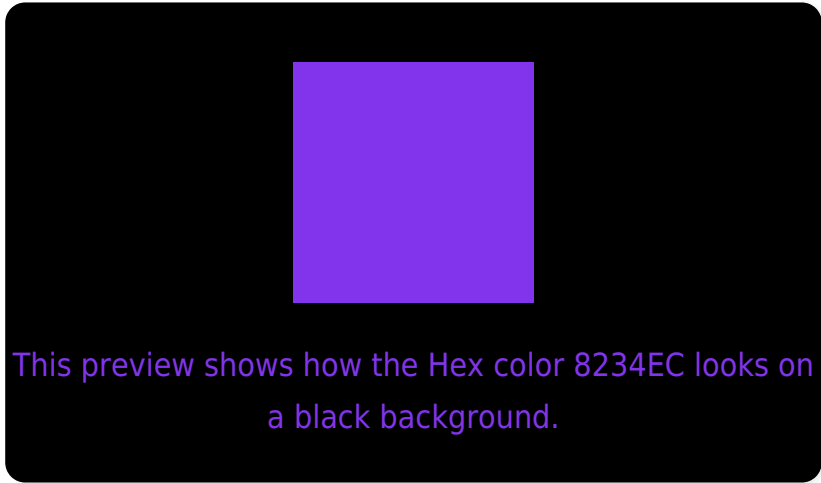
Large Text (above 18pt) WCAG AA ✓ Pass

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

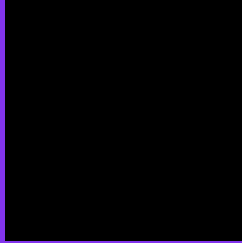
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 8234EC Background



This preview shows how black text looks on a background with the Hex color 8234EC.




This preview shows how white text looks on a background with the Hex color 8234EC.

# 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](#).

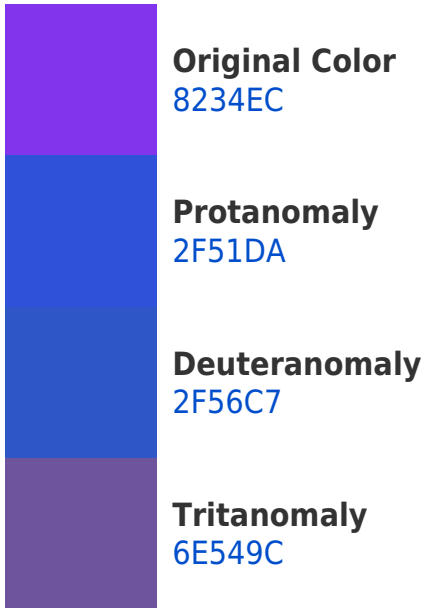
## Dichromacy



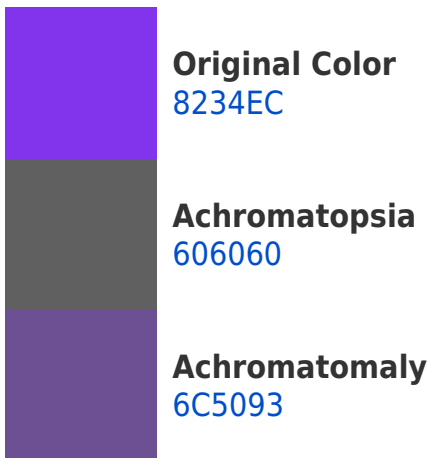


**Tritanopia**  
63666E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8234EC 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 #8234EC looks like.

```
.text, #text, p{  
  color:#8234EC  
}
```

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 #8234EC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8234EC
}
```

## Border

The CSS property to change the border of an element to Hex 8234EC 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".

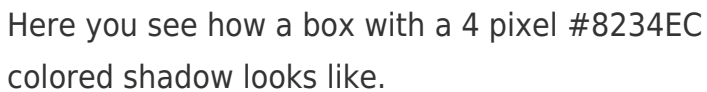
```
.border, #border, table{ border:4px solid
#8234EC }
```

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

```
.border{ border-color:#8234EC }
```

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

Here you see how a box with a 4 pixel #8234EC colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8234EC; -webkit-box-shadow:4px 4px  
4px 4px #8234EC; box-shadow:4px 4px 4px  
4px #8234EC }
```

# Background

The CSS property to change the background color of an element to Hex 8234EC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8234EC }
```

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

```
.background{ background-color:#8234EC }
```

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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