

# Converting Colors

Hex(8A46D4)

Have a look what the booklet for  
Hex(8A46D4) contains.

<b>Hex(8A46D4)</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(8A46D4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8A46D4
RGB	138, 70, 212
RGB Percent	54%, 27%, 83%
CMY	0.4588, 0.7255, 0.1686
CMYK	0.35, 0.67, 0.00, 0.17
HSL	269°, 62%, 55%
HSV	269°, 67%, 83%
XYZ	24.5551, 14.5371, 63.7991
YIQ	106.5200, -5.0540, 58.5780

# Conversions

## Conversions Part 2

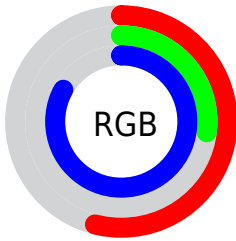
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	138, 70, 212
Decimal	9062100
CIE <sub>Lab</sub>	44.99, 55.54, -62.20
CIE <sub>LCh</sub>	45, 83.389, 311.766
Yxy	14.5371, 0.2387, 0.1413
Android (android.graphics.Color)	4287252180 (0xFF8A46D4)
YUV	106.5200, 52.0016, 27.6080
Hunter-Lab	38.1275, 48.2353, -72.5213

# Details

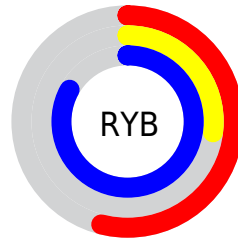
The Hex color **8A46D4** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **90D446**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **C47BFF**, and **510C9C** is the 20% darker color. If you saturate the color by 10%, you get **7F31D4**, and if you desaturate by 10%, it is **955BD4**.

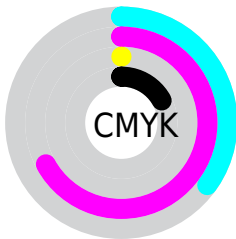
# Distribution



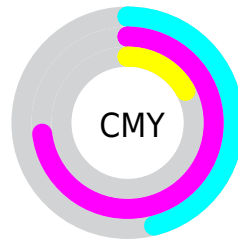
- Red (54%)
- Green (27%)
- Blue (83%)



- Red (54%)
- Yellow (27%)
- Blue (83%)



- Cyan (35%)
- Magenta (67%)
- Yellow (0%)
- Black (17%)



- Cyan (46%)
- Magenta (73%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8A46D4 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 8A46D4 by changing the saturation by 10% instead.



 8A46D4

 8A46D4

FFFFFF

 6D2BB8

 C47BFF

 510C9C

 E196FF

 320082

 FFB1FF

 0C0068

 FFCDFD

 00004F

 FFEAFF

 000537

 000220

 000004

 000000

8A46D4

8A46D4

7F31D4

955BD4

741CD4

A070D4

6906D4

AB86D4

6600D4

B69BD4

C1B0D4

CCC5D4

D7DAD4

E2F0D4

EDFFD4

# Harmonies

## Analogous

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



006BF5



8A46D4



CD0098

# Triad

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



8A46D4



A45700



008685

# Complementary

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



8A46D4



90D446

# 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.



00843B



8A46D4



6A7000

# Square

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



8A46D4



CE2708



007E00



0086C7

# Rectangle

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



8A46D4



DD006A



007E00



00866D



# Sweetspot

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



8A46D4



E4CCFF



4692D4



706180



000000



808080



# Same Dimension

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



8A46D4



9533FF



CF46D4



66606B



5200AB



15002B



# Inverse Universe

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



D44690



FF339D



4BD446



6B6066



AB0059



2B0017



# Previews

## White Background



This preview shows how the Hex color 8A46D4 looks on a white background.

## Color Contrast Check

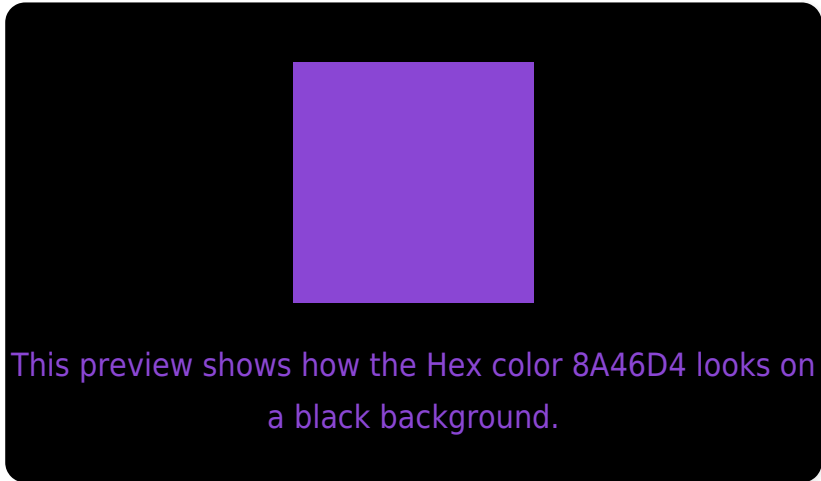
Large Text (above 18pt) WCAG AA ✓ Pass

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 8A46D4 Background



This preview shows how black text looks on a background with the Hex color 8A46D4.

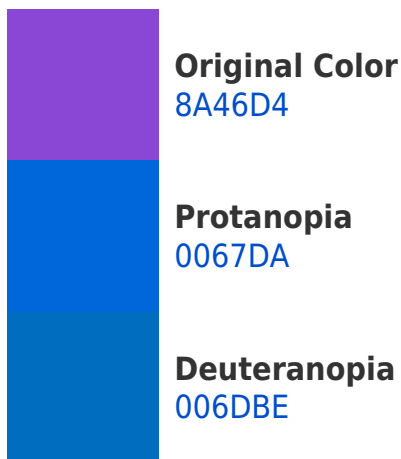



This preview shows how white text looks on a background with the Hex color 8A46D4.

# 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](#).

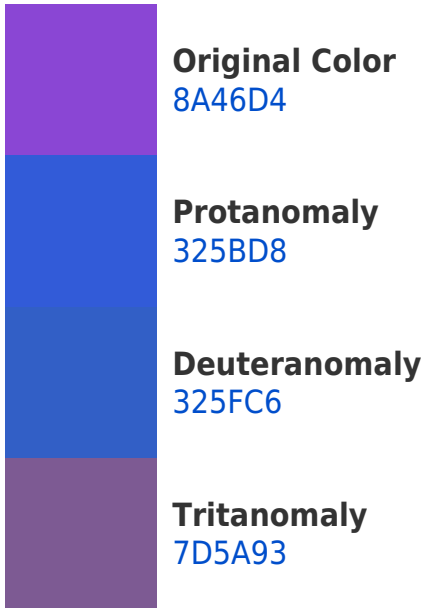
## Dichromacy



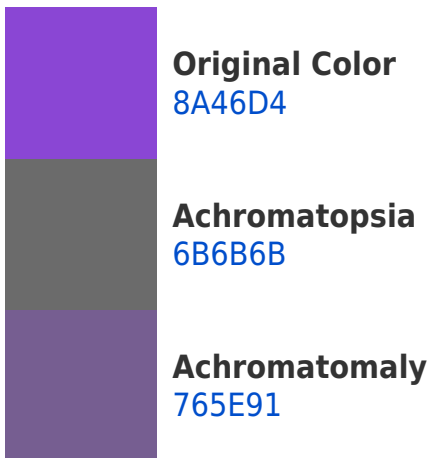


**Tritanopia**  
76666E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8A46D4 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 #8A46D4 looks like.

```
.text, #text, p{  
    color:#8A46D4  
}
```

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 #8A46D4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8A46D4
}
```

## Border

The CSS property to change the border of an element to Hex 8A46D4 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
#8A46D4 }
```

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

```
.border{ border-color:#8A46D4 }
```

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

Here you see how a box with a 4 pixel #8A46D4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8A46D4; -webkit-box-shadow:4px 4px  
4px 4px #8A46D4; box-shadow:4px 4px 4px  
4px #8A46D4 }
```

# Background

The CSS property to change the background color of an element to Hex 8A46D4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8A46D4 }
```

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

```
.background{ background-color:#8A46D4 }
```

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