

# Converting Colors

Hex(8B45A5)

Have a look what the booklet for  
Hex(8B45A5) contains.

<b>Hex(8B45A5)</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(8B45A5)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8B45A5
RGB	139, 69, 165
RGB Percent	55%, 27%, 65%
CMY	0.4549, 0.7294, 0.3529
CMYK	0.16, 0.58, 0.00, 0.35
HSL	284°, 41%, 46%
HSV	284°, 58%, 65%
XYZ	19.5671, 12.4618, 36.9714
YIQ	100.8740, 10.9040, 44.6960

# Conversions

## Conversions Part 2

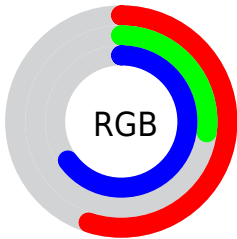
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	139, 69, 165
Decimal	9127333
CIE Lab	41.94, 45.49, -39.63
CIE LCh	42, 60.331, 318.937
Yxy	12.4618, 0.2836, 0.1806
Android (android.graphics.Color)	4287317413 (0xFF8B45A5)
YUV	100.8740, 31.6141, 33.4365
Hunter-Lab	35.3013, 37.1632, -37.3840

# Details

The Hex color **8B45A5** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **5FA545**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **C379DD**, and **560F70** is the 20% darker color. If you saturate the color by 10%, you get **8734A5**, and if you desaturate by 10%, it is **8F55A5**.

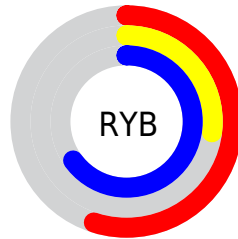
# Distribution



Red (55%)

Green (27%)

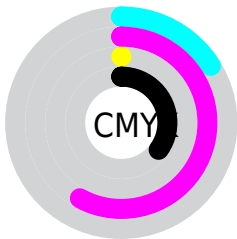
Blue (65%)



Red (55%)

Yellow (27%)

Blue (65%)

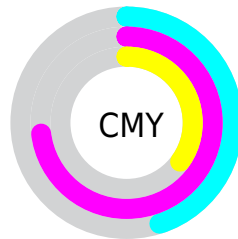


Cyan (16%)

Magenta (58%)

Yellow (0%)

Black (35%)



Cyan (45%)

Magenta (73%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8B45A5 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 8B45A5 by changing the saturation by 10% instead.



8B45A5

8B45A5

FFFFFF

702B8A

C379DD

560F70

DF93F9

3C0058

FDAFFF

250040

FFCBFF

000029

FFE7FF

000112

000000

8B45A5

8B45A5

8734A5

8F55A5

8224A5

9466A5

7E13A5

9876A5

7903A5

9D87A5

7800A5

A197A5

A6A8A5

AAB8A5

AFC9A5

B3D9A5

# Harmonies

## Analogous

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



2E5EC2



8B45A5



B12B78

# Triad

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



8B45A5



875A00



007982

# Complementary

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



8B45A5



5FA545

# 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.



00784E



8B45A5



5B6A00

# Square

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



8B45A5



A94316



0C7319



0076AE

# Rectangle

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



8B45A5



B92756



0C7319



007971



# Sweetspot

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



8B45A5



CCB2D6



4560A5



65566B



EBEBEB



6B6B6B



# Same Dimension

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



8B45A5



AE40D6



A54590



4F4952



6A0091



0D0012



# Inverse Universe

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



A5455F



D64069



45A55A



52494C



910027



120005



# Previews

## White Background



This preview shows how the Hex color 8B45A5 looks on a white background.

## Color Contrast Check

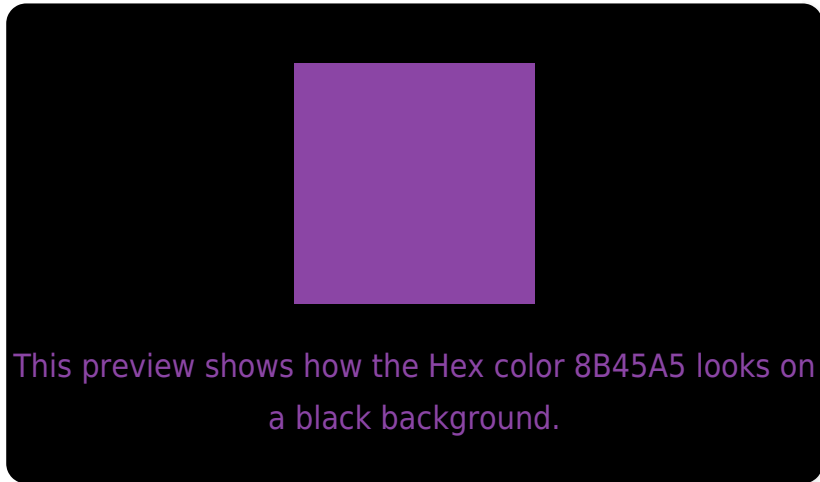
Large Text (above 18pt) WCAG AA ✓ Pass

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

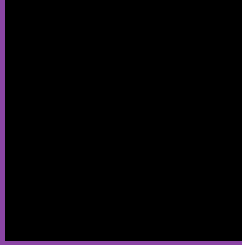
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 8B45A5 Background



This preview shows how black text looks on a background with the Hex color 8B45A5.

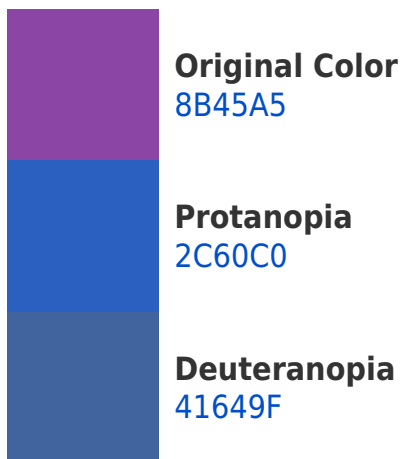



This preview shows how white text looks on a background with the Hex color 8B45A5.

# 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**  
81585F

# Trichromacy



**Original Color**  
8B45A5



**Protanomaly**  
4F56B6



**Deuteranomaly**  
5C59A1



**Tritanomaly**  
855178

# Monochromacy



**Original Color**  
8B45A5



**Achromatopsia**  
656565



**Achromatomaly**  
73597C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8B45A5 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 #8B45A5 looks like.

```
.text, #text, p{  
    color:#8B45A5  
}
```

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 #8B45A5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8B45A5
}
```

## Border

The CSS property to change the border of an element to Hex 8B45A5 is called "border". The border property can be set on classes, ids or directly on the HTML element.

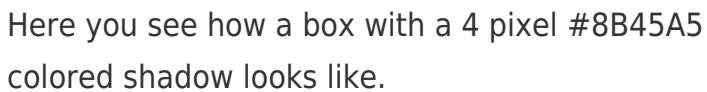
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#8B45A5 }
```

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

```
.border{ border-color:#8B45A5 }
```

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



Here you see how a box with a 4 pixel #8B45A5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8B45A5; -webkit-box-shadow:4px 4px  
4px 4px #8B45A5; box-shadow:4px 4px 4px  
4px #8B45A5 }
```

# Background

The CSS property to change the background color of an element to Hex 8B45A5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8B45A5 }
```

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

```
.background{ background-color:#8B45A5 }
```

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