

# Converting Colors

Hex(8165A8)

Have a look what the booklet for  
Hex(8165A8) contains.

<b>Hex(8165A8)</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(8165A8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8165A8
RGB	129, 101, 168
RGB Percent	51%, 40%, 66%
CMY	0.4941, 0.6039, 0.3412
CMYK	0.23, 0.40, 0.00, 0.34
HSL	265°, 28%, 53%
HSV	265°, 40%, 66%
XYZ	20.7748, 16.8016, 39.1939
YIQ	117.0100, -4.8190, 26.7730

# Conversions

## Conversions Part 2

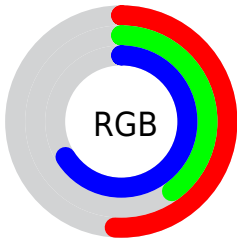
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 101, 168
Decimal	8480168
CIE <sub>Lab</sub>	48.01, 25.29, -31.91
CIE <sub>LCh</sub>	48, 40.714, 308.393
Yxy	16.8016, 0.2706, 0.2189
Android (android.graphics.Color)	4286670248 (0xFF8165A8)
YUV	117.0100, 25.1381, 10.5152
Hunter-Lab	40.9898, 18.7368, -27.9994

# Details

The Hex color **8165A8** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **8CA865**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **B798DF**, and **4E3674** is the 20% darker color. If you saturate the color by 10%, you get **7754A8**, and if you desaturate by 10%, it is **8B76A8**.

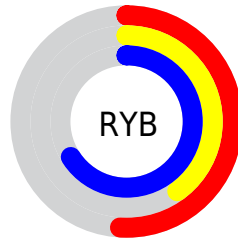
# Distribution



Red (51%)

Green (40%)

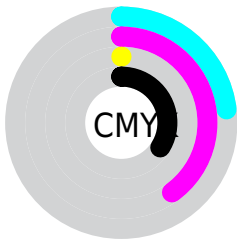
Blue (66%)



Red (51%)

Yellow (40%)

Blue (66%)

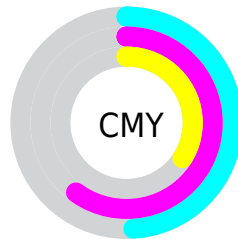


Cyan (23%)

Magenta (40%)

Yellow (0%)

Black (34%)



Cyan (49%)

Magenta (60%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8165A8 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 8165A8 by changing the saturation by 10% instead.



8165A8

8165A8

FFFFFF

674D8D

B798DF

4E3674

D3B3FC

351F5B

F0CFFF

1D0A43

FFEBFF

04002C

000117

000000

8165A8

8165A8

7754A8

8B76A8

6D43A8

9587A8

6433A8

9E97A8

5A22A8

A8A8A8

5011A8

B2B9A8

4600A8

BCCAA8

C5DBA8

CFEBA8

D9FCA8

# Harmonies

## Analogous

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



4672B6



8165A8



A4598C

# Triad

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



8165A8



9A6731



00837B

# Complementary

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



8165A8



8CA865

# 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.



218157



8165A8



7C732A

# Square

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



8165A8



AD5B49



587C3A



00829C

# Rectangle

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



8165A8



AF5475



587C3A



00836F



# Sweetspot

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



8165A8



CCC1DB



658CA8



655E6E



EDEDED



6E6E6E



# Same Dimension

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



8165A8



9E72DB



A265A8



4F4C54



3E0094



090014



# Inverse Universe

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



A8658C



DB72AF



6BA865



544C51



940056

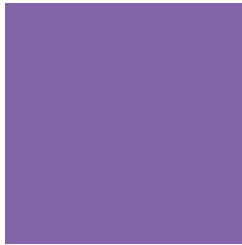


14000C



# Previews

## White Background



This preview shows how the Hex color 8165A8 looks on a white background.

## Color Contrast Check

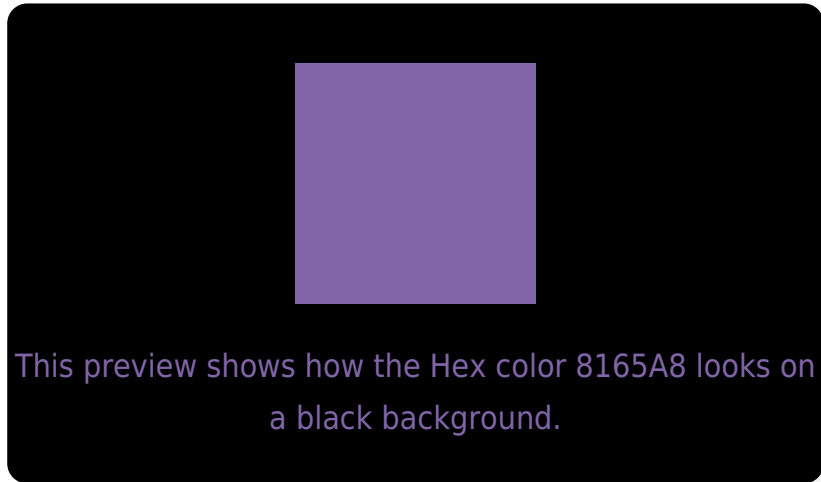
Large Text (above 18pt) WCAG AA ✓ Pass

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

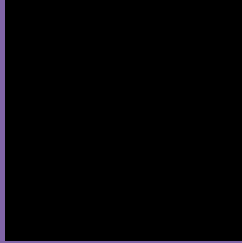
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 8165A8 Background



This preview shows how black text looks on a background with the Hex color 8165A8.

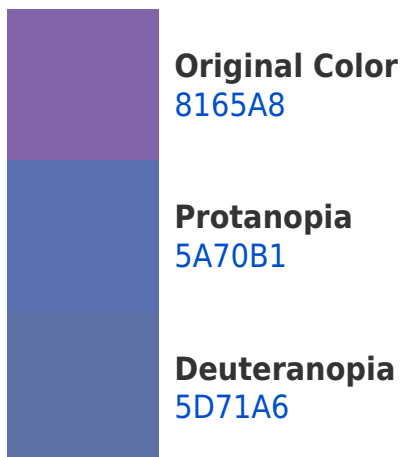


This preview shows how white text looks on a background with the Hex color 8165A8.

# 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](#).

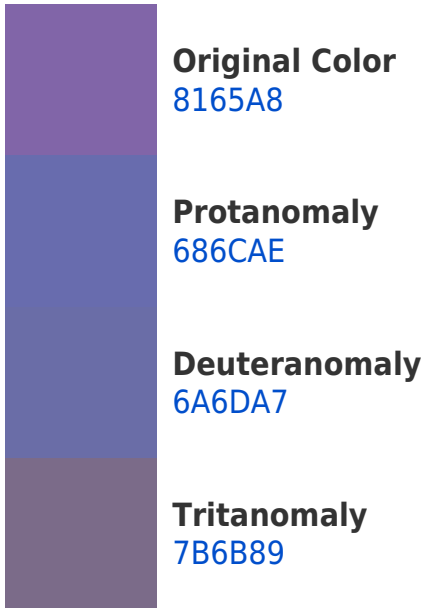
## Dichromacy





**Tritanopia**  
786F78

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8165A8 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 #8165A8 looks like.

```
.text, #text, p{  
    color:#8165A8  
}
```

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 #8165A8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8165A8
}
```

## Border

The CSS property to change the border of an element to Hex 8165A8 is called "border". The border property can be set on classes, ids or directly on the HTML element.

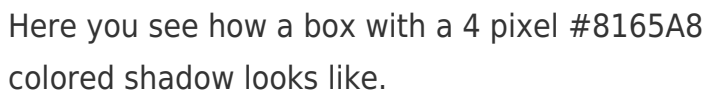
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#8165A8 }
```

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

```
.border{ border-color:#8165A8 }
```

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



Here you see how a box with a 4 pixel #8165A8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8165A8; -webkit-box-shadow:4px 4px  
4px 4px #8165A8; box-shadow:4px 4px 4px  
4px #8165A8 }
```

# Background

The CSS property to change the background color of an element to Hex 8165A8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8165A8 }
```

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

```
.background{ background-color:#8165A8 }
```

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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