

# Converting Colors

Hex(5A3AB3)

Have a look what the booklet for  
Hex(5A3AB3) contains.

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# Color

**Hex(5A3AB3)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5A3AB3
RGB	90, 58, 179
RGB Percent	35%, 23%, 70%
CMY	0.6471, 0.7725, 0.2980
CMYK	0.50, 0.68, 0.00, 0.30
HSL	256°, 51%, 46%
HSV	256°, 68%, 70%
XYZ	13.8662, 8.4544, 43.5489
YIQ	81.3620, -19.7690, 44.4150

# Conversions

## Conversions Part 2

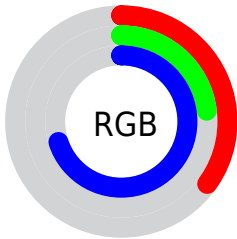
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	90, 58, 179
Decimal	5913267
CIE <sub>Lab</sub>	34.91, 43.77, -59.58
CIE <sub>LCh</sub>	35, 73.925, 306.302
Y <sub>xy</sub>	8.4544, 0.2105, 0.1284
Android (android.graphics.Color)	4284103347 (0xFF5A3AB3)
YUV	81.3620, 48.1355, 7.5755
Hunter-Lab	29.0765, 34.2402, -68.4470

# Details

The Hex color **5A3AB3** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **93B33A**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **936BEC**, and **19097D** is the 20% darker color. If you saturate the color by 10%, you get **4D28B3**, and if you desaturate by 10%, it is **674CB3**.

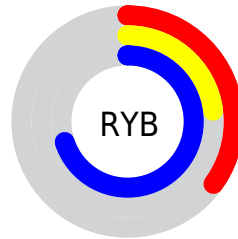
# Distribution



Red (35%)

Green (23%)

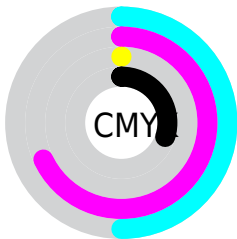
Blue (70%)



Red (35%)

Yellow (23%)

Blue (70%)

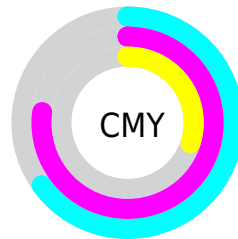


Cyan (50%)

Magenta (68%)

Yellow (0%)

Black (30%)



Cyan (65%)

Magenta (77%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5A3AB3 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 5A3AB3 by changing the saturation by 10% instead.



■ 5A3AB3

■ 5A3AB3

FFFFFF

■ 3C2298

■ 936BEC

■ 19097D

■ B085FF

■ 000063

■ CDA0FF

■ 00004B

■ EBBBFF

■ 000433

■ FFD7FF

■ 00021D

■ FFF4FF

■ 000000

■ 5A3AB3

■ 5A3AB3

■ 4D28B3

■ 674CB3

4016B3

745EB3

3304B3

8170B3

2F00B3

8F82B3

9C93B3

A9A5B3

B6B7B3

C3C9B3

D0DBB3

# Harmonies

## Analogous

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



0057CA



5A3AB3



9E0083

# Triad

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



5A3AB3



893C00



00695E

# Complementary

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



5A3AB3



93B33A

# 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.



00661D



5A3AB3



5A5400

# Square

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



5A3AB3



AA000E



0B6100



006998

# Rectangle

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



5A3AB3



B1005C



0B6100



006849



# Sweetspot

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



5A3AB3



C6BAE8



3A95B3



615975



F5F5F5



757575



# Same Dimension

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



5A3AB3



5E2CE8



953AB3



535059



280099



07001A



# Inverse Universe

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



B33A93



E82CB6



58B33A



595057



990071

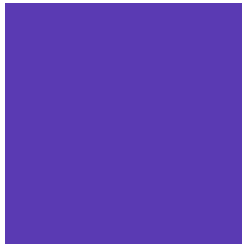


1A0013



# Previews

## White Background



This preview shows how the Hex color 5A3AB3 looks on a white background.

## Color Contrast Check

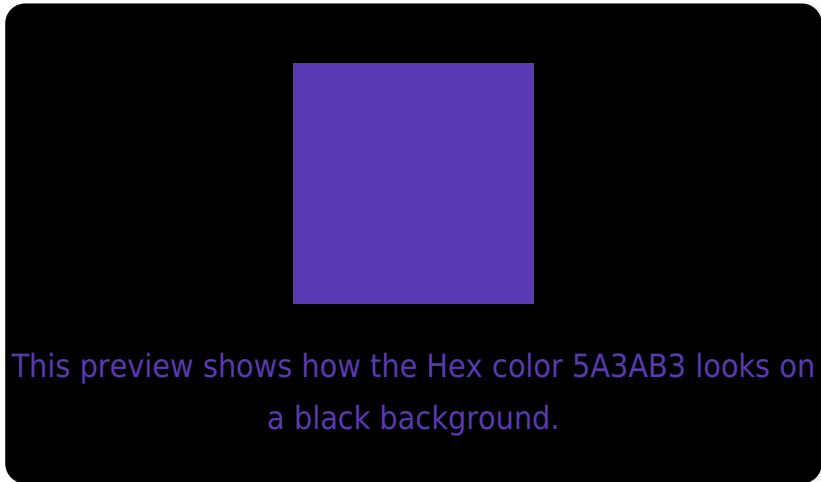
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

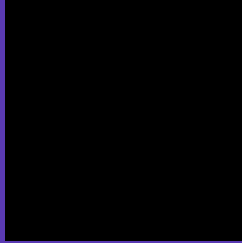
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5A3AB3 Background



This preview shows how black text looks on a background with the Hex color 5A3AB3.

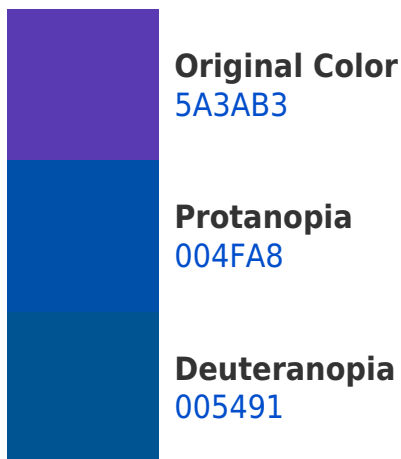


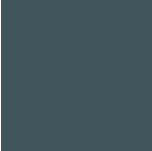
This preview shows how white text looks on a background with the Hex color 5A3AB3.

# 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**  
41565C

# Trichromacy



**Original Color**  
5A3AB3



**Protanomaly**  
2147AC



**Deuteranomaly**  
214B9D



**Tritanomaly**  
4A4C7C

# Monochromacy



**Original Color**  
5A3AB3



**Achromatopsia**  
515151



**Achromatomaly**  
544975

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5A3AB3 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 #5A3AB3 looks like.

```
.text, #text, p{  
    color:#5A3AB3  
}
```

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 #5A3AB3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5A3AB3  
}
```

## Border

The CSS property to change the border of an element to Hex 5A3AB3 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  
#5A3AB3 }
```

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

```
.border{ border-color:#5A3AB3 }
```

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

Here you see how a box with a 4 pixel #5A3AB3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5A3AB3; -webkit-box-shadow:4px 4px  
4px 4px #5A3AB3; box-shadow:4px 4px 4px  
4px #5A3AB3 }
```

# Background

The CSS property to change the background color of an element to Hex 5A3AB3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5A3AB3 }
```

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

```
.background{ background-color:#5A3AB3 }
```

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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