

# Converting Colors

Hex(5A1EBE)

Have a look what the booklet for  
Hex(5A1EBE) contains.

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# Color

**Hex(5A1EBE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5A1EBE
RGB	90, 30, 190
RGB Percent	35%, 12%, 75%
CMY	0.6471, 0.8824, 0.2549
CMYK	0.53, 0.84, 0.00, 0.25
HSL	262°, 73%, 43%
HSV	262°, 84%, 75%
XYZ	13.9750, 6.8199, 49.2950
YIQ	66.1800, -15.6000, 62.4800

# Conversions

## Conversions Part 2

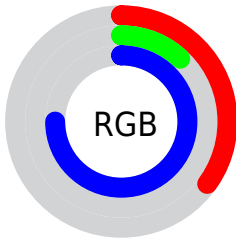
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	90, 30, 190
Decimal	5906110
CIE <sub>Lab</sub>	31.39, 59.62, -71.86
CIE <sub>LCh</sub>	31, 93.371, 309.681
Yxy	6.8199, 0.1994, 0.0973
Android (android.graphics.Color)	4284096190 (0xFF5A1EBE)
YUV	66.1800, 61.0433, 20.8901
Hunter-Lab	26.1150, 49.8201, -93.6363

# Details

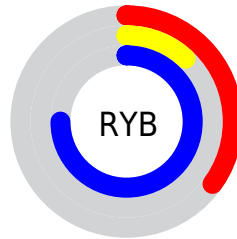
The Hex color **5A1EBE** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **82BE1E**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **9654F8**, and **0B0087** is the 20% darker color. If you saturate the color by 10%, you get **4E0BBE**, and if you desaturate by 10%, it is **6631BE**.

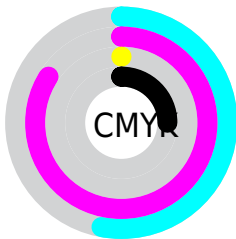
# Distribution



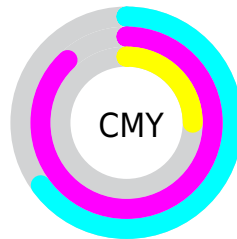
- Red (35%)
- Green (12%)
- Blue (75%)



- Red (35%)
- Yellow (12%)
- Blue (75%)



- Cyan (53%)
- Magenta (84%)
- Yellow (0%)
- Black (25%)



- Cyan (65%)
- Magenta (88%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5A1EBE 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 5A1EBE by changing the saturation by 10% instead.



 5A1EBE

 5A1EBE

FFFFFF

 3A00A2

 9654F8

 0B0087

 B46FFF

 00006D

 D28AFF

 000053

 F0A5FF

 00063B

 FFC1FF

 000225

 FFDEFF

 00010D

 FFFBFF

 000000

 5A1EBE

 5A1EBE

■ 4E0BBE

■ 6631BE

■ 4700BE

■ 7244BE

■ 7E57BE

■ 8A6ABE

■ 957DBE

■ A190BE

■ ADA3BE

■ B9B6BE

■ C5C9BE

# Harmonies

## Analogous

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



004FE0



5A1EBE



AB007F

# Triad

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



5A1EBE



823100



006261

# Complementary

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



5A1EBE



82BE1E

# 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.



00600D



5A1EBE



464F00

# Square

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



5A1EBE



AC0000



005B00



0064A8

# Rectangle

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



5A1EBE



BD004F



005B00



006247



# Sweetspot

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



5A1EBE



D1BAF7



1E83BE



66577D



FCFCFC



7D7D7D



# Same Dimension

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



5A1EBE



5D00F7



A91EBE



58555E



3B009E



0B001F



# Inverse Universe

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



BE1E82



F7009B



33BE1E



5E555B



9E0063

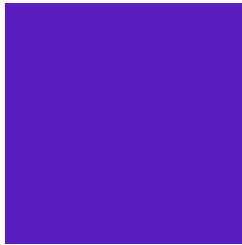


1F0013



# Previews

## White Background



This preview shows how the Hex color 5A1EBE looks on a white background.

## Color Contrast Check

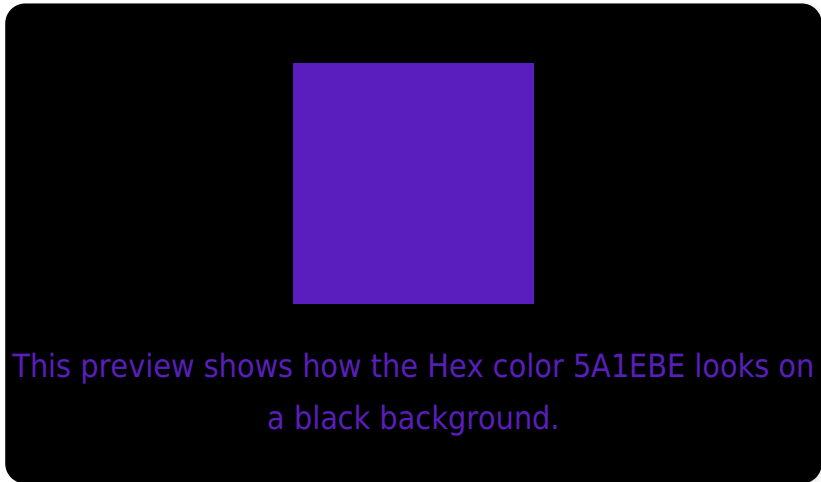
Large Text (above 18pt) WCAG AA ✓ Pass

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

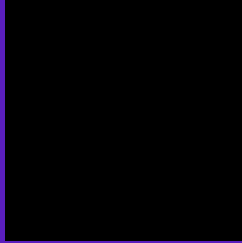
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5A1EBE Background



This preview shows how black text looks on a background with the Hex color 5A1EBE.

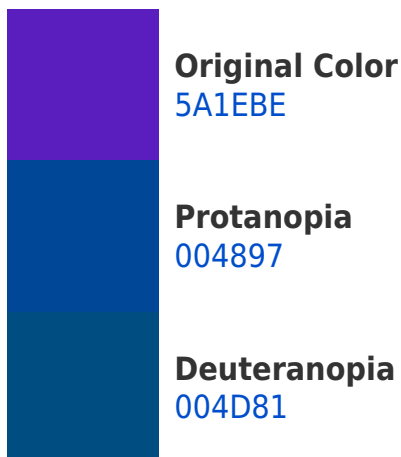


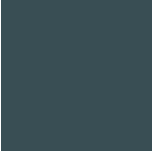
This preview shows how white text looks on a background with the Hex color 5A1EBE.

# 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**  
394E54

# Trichromacy



**Original Color**  
5A1EBE



**Protanomaly**  
2139A5



**Deuteranomaly**  
213C97



**Tritanomaly**  
453D7B

# Monochromacy



**Original Color**  
5A1EBE



**Achromatopsia**  
424242



**Achromatomaly**  
4B356F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5A1EBE 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 #5A1EBE looks like.

```
.text, #text, p{  
    color:#5A1EBE  
}
```

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 #5A1EBE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5A1EBE
}
```

## Border

The CSS property to change the border of an element to Hex 5A1EBE is called "border". The border property can be set on classes, ids or directly on the HTML element.

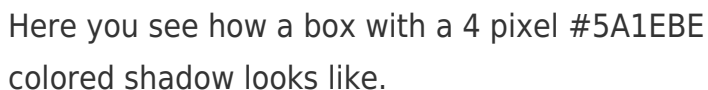
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#5A1EBE }
```

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

```
.border{ border-color:#5A1EBE }
```

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



Here you see how a box with a 4 pixel #5A1EBE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5A1EBE; -webkit-box-shadow:4px 4px  
4px 4px #5A1EBE; box-shadow:4px 4px 4px  
4px #5A1EBE }
```

# Background

The CSS property to change the background color of an element to Hex 5A1EBE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5A1EBE }
```

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

```
.background{ background-color:#5A1EBE }
```

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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