

# Converting Colors

Hex(571B77)

Have a look what the booklet for  
Hex(571B77) contains.

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# Color

**Hex(571B77)**

# Conversions

## Conversions Part 1

Format	Color
Hex	571B77
RGB	87, 27, 119
RGB Percent	34%, 11%, 47%
CMY	0.6588, 0.8941, 0.5333
CMYK	0.27, 0.77, 0.00, 0.53
HSL	279°, 63%, 29%
HSV	279°, 77%, 47%
XYZ	7.6522, 4.1420, 17.8489
YIQ	55.4280, 6.2280, 41.3320

# Conversions

## Conversions Part 2

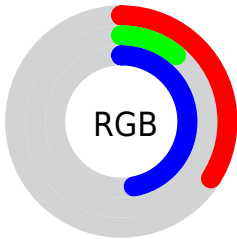
Format	Color
R <sub>Y</sub> B	87, 27, 119
Decimal	5708663
CIE Lab	24.14, 42.90, -40.26
CIE LCh	24, 58.833, 316.821
Yxy	4.1420, 0.2581, 0.1397
Android (android.graphics.Color)	4283898743 (0xFF571B77)
YUV	55.4280, 31.3410, 27.6886
Hunter-Lab	20.3519, 31.4989, -37.7518

# Details

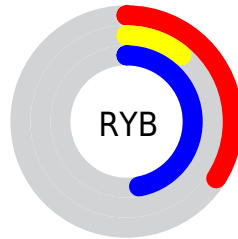
The Hex color **571B77** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **3B771B**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **8C4DAC**, and **250046** is the 20% darker color. If you saturate the color by 10%, you get **530F77**, and if you desaturate by 10%, it is **5B2777**.

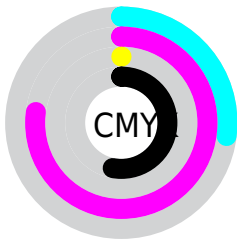
# Distribution



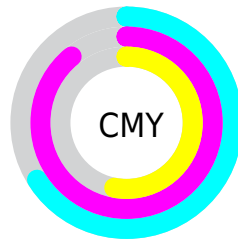
- Red (34%)
- Green (11%)
- Blue (47%)



- Red (34%)
- Yellow (11%)
- Blue (47%)



- Cyan (27%)
- Magenta (77%)
- Yellow (0%)
- Black (53%)



- Cyan (66%)
- Magenta (89%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 571B77 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 571B77 by changing the saturation by 10% instead.



■ 571B77

■ 571B77

FFFFFF

■ 3D005E

■ 8C4DAC

■ 250046

■ A867C8

■ 03002F

■ C481E4

■ 000119

■ E09CFF

■ 000000

■ FEB7FF

■ FFD3FF

■ FFF0FF

■ 571B77

■ 571B77

■ 530F77

■ 5B2777

■ 4F0377

■ 5F3377

■ 4E0077

■ 633F77

■ 684B77

■ 6C5677

■ 706277

■ 746E77

■ 787A77

■ 7C8677

# Harmonies

## Analogous

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



003790



571B77



7B004F

# Triad

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



571B77



573000



004B52

# Complementary

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



571B77



3B771B

# 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.



004923



571B77



303F00

# Square

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



571B77



741200



004600



004A7A

# Rectangle

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



571B77



830032



004600



004A43



# Sweetspot

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



571B77



8F789C



1B3B77



47394F



CFCFCF



4F4F4F



# Same Dimension

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



571B77



690B9C



771B69



39353B



50007A



A300FA



# Inverse Universe

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



771B3B



9C0B3D



1B7729



3B3537



7A002B

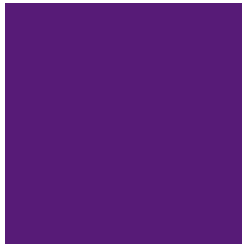


FA0057



# Previews

## White Background



This preview shows how the Hex color 571B77 looks on a white background.

## Color Contrast Check

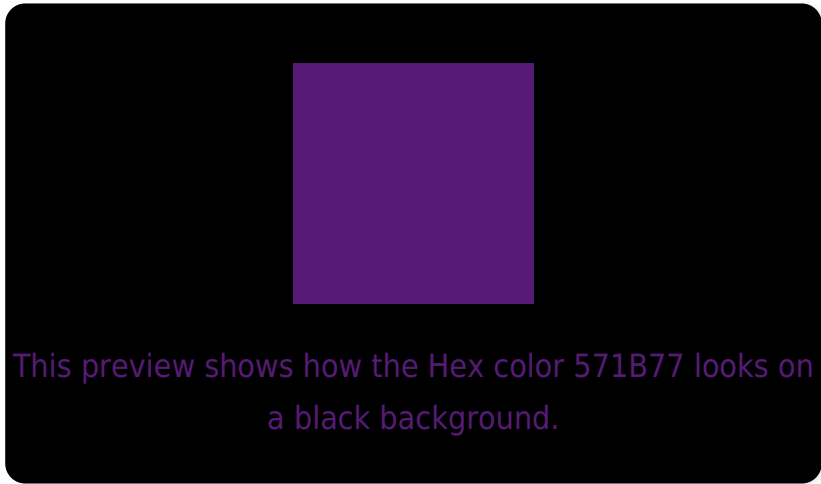
Large Text (above 18pt) WCAG AA ✓ Pass

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

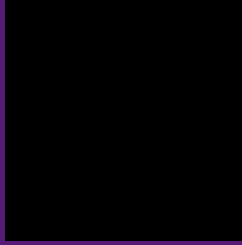
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 571B77 Background



This preview shows how black text looks on a background with the Hex color 571B77.



This preview shows how white text looks on a background with the Hex color 571B77.

# 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](#).

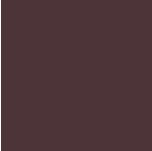
## Dichromacy



**Original Color**  
571B77

**Protanopia**  
003978

**Deuteranopia**  
003C69



**Tritanopia**  
4D3438

# Trichromacy



**Original Color**  
571B77

**Protanomaly**  
202E78

**Deuteranomaly**  
20306E

**Tritanomaly**  
512B4F

# Monochromacy



**Original Color**  
571B77

**Achromatopsia**  
373737

**Achromatomaly**  
432D4E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 571B77 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 #571B77 looks like.

```
.text, #text, p{  
    color:#571B77  
}
```

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 #571B77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #571B77  
}
```

## Border

The CSS property to change the border of an element to Hex 571B77 is called "border". The border property can be set on classes, ids or directly on the HTML element.

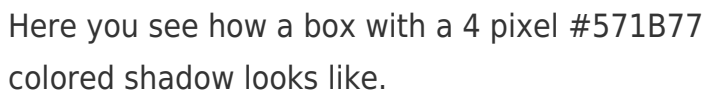
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#571B77 }
```

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

```
.border{ border-color:#571B77 }
```

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



Here you see how a box with a 4 pixel #571B77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #571B77; -webkit-box-shadow:4px 4px  
4px 4px #571B77; box-shadow:4px 4px 4px  
4px #571B77 }
```

# Background

The CSS property to change the background color of an element to Hex 571B77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#571B77 }
```

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

```
.background{ background-color:#571B77 }
```

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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