

# Converting Colors

Hex(851B71)

Have a look what the booklet for  
Hex(851B71) contains.

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**Color**

**Hex(851B71)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	851B71
RGB	133, 27, 113
RGB Percent	52%, 11%, 44%
CMY	0.4784, 0.8941, 0.5569
CMYK	0.00, 0.80, 0.15, 0.48
HSL	311°, 66%, 31%
HSV	311°, 80%, 52%
XYZ	13.0454, 6.9627, 16.2791
YIQ	68.4980, 35.5700, 49.2180

# Conversions

## Conversions Part 2

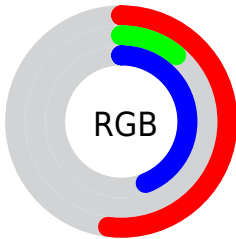
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 27, 113
Decimal	8723313
CIE <sub>Lab</sub>	31.72, 52.22, -23.87
CIE <sub>LCh</sub>	32, 57.415, 335.433
Yxy	6.9627, 0.3595, 0.1919
Android (android.graphics.Color)	4286913393 (0xFF851B71)
YUV	68.4980, 21.9395, 56.5683
Hunter-Lab	26.3869, 42.0718, -18.1076

# Details

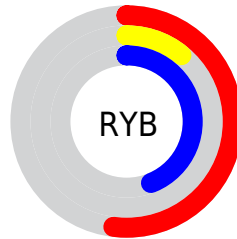
The Hex color **851B71** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **1B852F**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **BD54A5**, and **4F0041** is the 20% darker color. If you saturate the color by 10%, you get **850E6E**, and if you desaturate by 10%, it is **852874**.

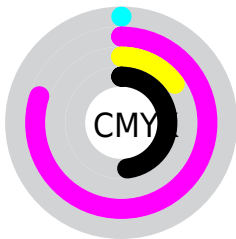
# Distribution



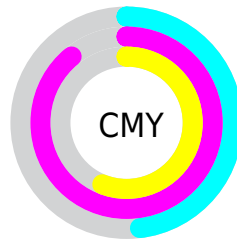
- Red (52%)
- Green (11%)
- Blue (44%)



- Red (52%)
- Yellow (11%)
- Blue (44%)



- Cyan (0%)
- Magenta (80%)
- Yellow (15%)
- Black (48%)



- Cyan (48%)
- Magenta (89%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 851B71 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 851B71 by changing the saturation by 10% instead.



 851B71

 851B71

FFFFFF

 6A0058

 BD54A5

 4F0041

 DA6FC0

 37002B

 F88ADC

 190015

 FFA6F9

 000000

 FFC2FF

 FFDFFF

 FFFCFF

 851B71

 851B71

■ 850E6E

■ 852874

■ 85006C

■ 853676

■ 854379

■ 85507B

■ 855E7E

■ 856B80

■ 857883

■ 858585

■ 859388

# Harmonies

## Analogous

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



523A95



851B71



970045

# Triad

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



851B71



554C00



005D7E

# Complementary

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



851B71



1B852F

# 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.



005D52



851B71



235600

# Square

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



851B71



793900



005B22



00599D

# Rectangle

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



851B71



951227



005B22



005D70



# Sweetspot

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



851B71



AD84A6



2E1B85



573E52



D6D6D6



575757



# Same Dimension

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



851B71



AD078E



851B3D



423C41



82006A



030002



# Inverse Universe

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



851B71



AD078E



1B8563



423C41



82006A



030002



# Previews

## White Background



This preview shows how the Hex color 851B71 looks on a white background.

## Color Contrast Check

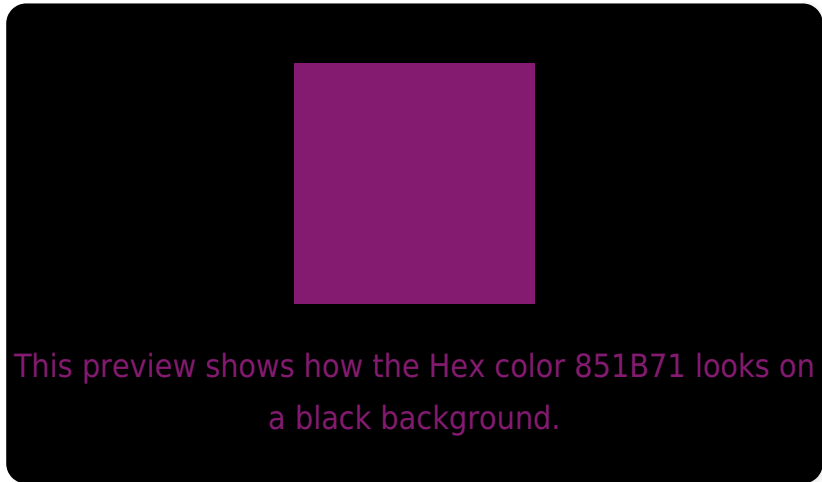
Large Text (above 18pt) WCAG AA ✓ Pass

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

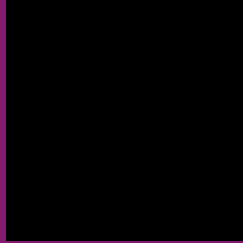
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 851B71 Background



This preview shows how black text looks on a background with the Hex color 851B71.



This preview shows how white text looks on a background with the Hex color 851B71.

# 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**  
7F3235

# Trichromacy



**Original Color**  
851B71



**Protanomaly**  
40398A



**Deuteranomaly**  
5A3A6D



**Tritanomaly**  
812A4B

# Monochromacy



**Original Color**  
851B71



**Achromatopsia**  
444444



**Achromatomaly**  
5C3554

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 851B71 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 #851B71 looks like.

```
.text, #text, p{  
    color:#851B71  
}
```

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 #851B71 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #851B71
}
```

## Border

The CSS property to change the border of an element to Hex 851B71 is called "border". The border property can be set on classes, ids or directly on the HTML element.

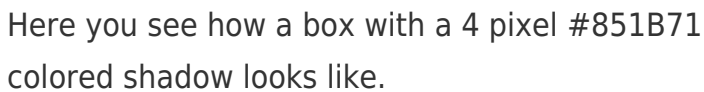
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#851B71 }
```

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

```
.border{ border-color:#851B71 }
```

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



Here you see how a box with a 4 pixel #851B71 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #851B71; -webkit-box-shadow:4px 4px  
4px 4px #851B71; box-shadow:4px 4px 4px  
4px #851B71 }
```

# Background

The CSS property to change the background color of an element to Hex 851B71 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#851B71 }
```

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

```
.background{ background-color:#851B71 }
```

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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