

# Converting Colors

Hex(B51447)

Have a look what the booklet for  
Hex(B51447) contains.

<b>Hex(B51447)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(B51447)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B51447
RGB	181, 20, 71
RGB Percent	71%, 8%, 28%
CMY	0.2902, 0.9216, 0.7216
CMYK	0.00, 0.89, 0.61, 0.29
HSL	341°, 80%, 39%
HSV	341°, 89%, 71%
XYZ	20.4435, 10.7790, 6.9643
YIQ	73.9530, 79.5850, 49.9930

# Conversions

## Conversions Part 2

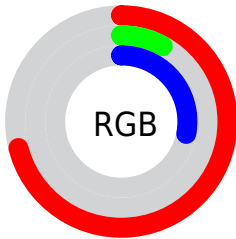
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 20, 71
Decimal	11867207
CIE Lab	39.21, 61.62, 15.20
CIE LCh	39, 63.468, 13.855
Yxy	10.7790, 0.5354, 0.2823
Android (android.graphics.Color)	4290057287 (0xFFB51447)
YUV	73.9530, -1.4558, 93.8802
Hunter-Lab	32.8314, 53.6940, 10.4052

# Details

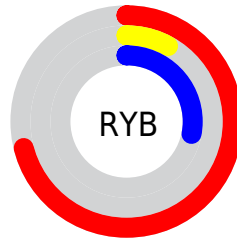
The Hex color **B51447** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14B582**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **F35877**, and **79001D** is the 20% darker color. If you saturate the color by 10%, you get **B5023B**, and if you desaturate by 10%, it is **B52653**.

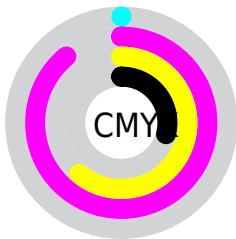
# Distribution



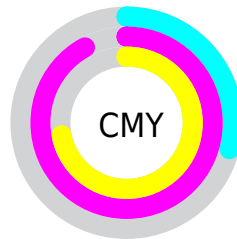
- Red (71%)
- Green (8%)
- Blue (28%)



- Red (71%)
- Yellow (8%)
- Blue (28%)



- Cyan (0%)
- Magenta (89%)
- Yellow (61%)
- Black (29%)



- Cyan (29%)
- Magenta (92%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B51447 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 B51447 by changing the saturation by 10% instead.



 B51447

 B51447

FFFFFF

 970031

 F35877

 79001D

 FF7491

 5B0002

 FF91AB

 400003

 FFADC6

 1C0001

 FFCAE2

 000000

 FFE7FF

 B51447

 B51447

 B5023B

 B52653

 B50039

 B53860

 B54A6C

 B55C78

 B56E85

 B58191

 B5939E

 B5A5AA

 B5B7B6

# Harmonies

## Analogous

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



A91F7A



B51447



A73414

# Triad

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



B51447



126C00



006AC1

# Complementary

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



B51447



14B582

# 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.



0071A3



B51447



00713D

# Square

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



B51447



5B6200



007274



005BC2

# Rectangle

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



B51447



944800



007274



006DBA



# Sweetspot

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



B51447



EBABBF



7F14B5



75505C



F5F5F5



757575



# Same Dimension

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



B51447



EB004A



B52F14



595053



990030



1A0008



# Inverse Universe

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



B51447



EB004A



149AB5



595053



990030



1A0008



# Previews

## White Background



This preview shows how the Hex color B51447 looks on a white background.

## Color Contrast Check

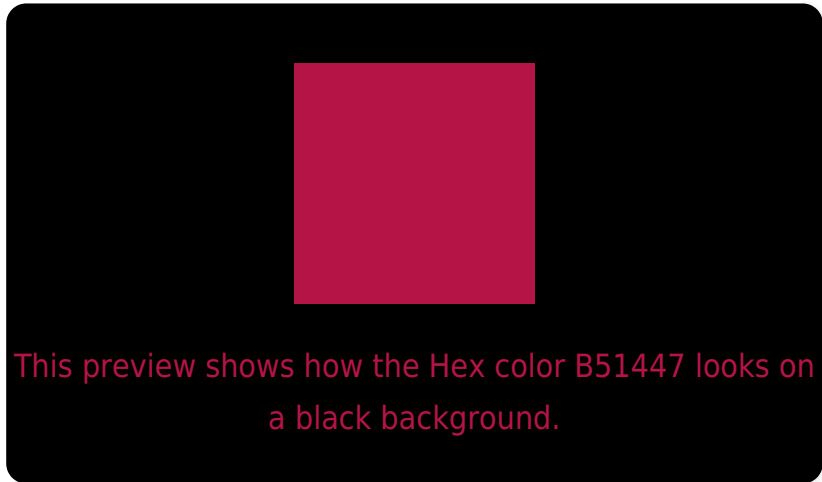
Large Text (above 18pt) WCAG AA ✓ Pass

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 B51447 Background



This preview shows how black text looks on a background with the Hex color B51447.

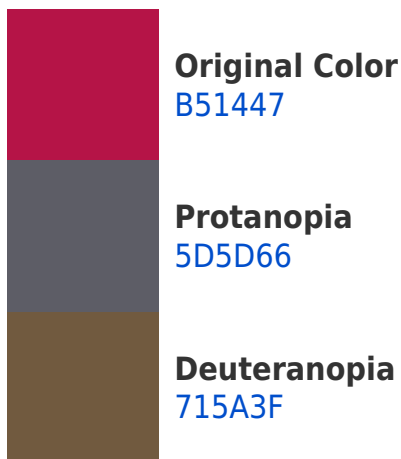


This preview shows how white text looks on a background with the Hex color B51447.

# Color Blindness Simulation

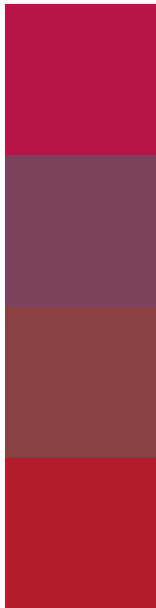
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



**Original Color**  
B51447

**Protanomaly**  
7D425B

**Deuteranomaly**  
8A4142

**Tritanomaly**  
B41C2E

# Monochromacy



**Original Color**  
B51447

**Achromatopsia**  
4A4A4A

**Achromatomaly**  
713649

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B51447 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 #B51447 looks like.

```
.text, #text, p{  
    color:#B51447  
}
```

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 #B51447 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B51447
}
```

## Border

The CSS property to change the border of an element to Hex B51447 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
#B51447 }
```

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

```
.border{ border-color:#B51447 }
```

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

Here you see how a box with a 4 pixel #B51447 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B51447; -webkit-box-shadow:4px 4px  
4px 4px #B51447; box-shadow:4px 4px 4px  
4px #B51447 }
```

# Background

The CSS property to change the background color of an element to Hex B51447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B51447 }
```

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

```
.background{ background-color:#B51447 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor