

# Converting Colors

Hex(B51C17)

Have a look what the booklet for  
Hex(B51C17) contains.

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# Color

**Hex(B51C17)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B51C17
RGB	181, 28, 23
RGB Percent	71%, 11%, 9%
CMY	0.2902, 0.8902, 0.9098
CMYK	0.00, 0.85, 0.87, 0.29
HSL	2°, 77%, 40%
HSV	2°, 87%, 71%
XYZ	19.6260, 10.7161, 1.8446
YIQ	73.1770, 92.7930, 30.8810

# Conversions

## Conversions Part 2

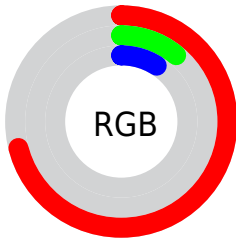
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 28, 23
Decimal	11869207
CIE Lab	39.10, 58.04, 43.63
CIE LCh	39, 72.608, 36.935
Yxy	10.7161, 0.6098, 0.3329
Android (android.graphics.Color)	4290059287 (0xFFB51C17)
YUV	73.1770, -24.7373, 94.5608
Hunter-Lab	32.7355, 49.7293, 19.5739

# Details

The Hex color **B51C17** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **17B0B5**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **F55A45**, and **770000** is the 20% darker color. If you saturate the color by 10%, you get **B50A05**, and if you desaturate by 10%, it is **B52E29**.

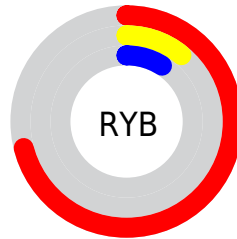
# Distribution



Red (71%)

Green (11%)

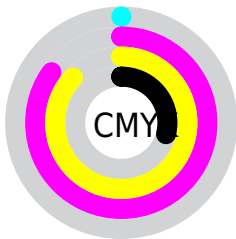
Blue (9%)



Red (71%)

Yellow (11%)

Blue (9%)

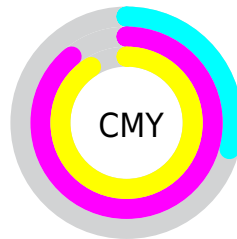


Cyan (0%)

Magenta (85%)

Yellow (87%)

Black (29%)



Cyan (29%)

Magenta (89%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B51C17 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 B51C17 by changing the saturation by 10% instead.



 B51C17

 B51C17

FFFFFF

 960000

 F55A45

 770000

 FF765D

 580000

 FF9276

 3D0003

 FFAF90

 170000

 FFCBAB

 000000

 FFE9C6

 FFFF E3

 B51C17

 B51C17

 B50A05

 B52E29

 B50600

 B53F3B

 B5514D

 B5625F

 B57472

 B58584

 B59796

 B5A8A8

 B5BABA

# Harmonies

## Analogous

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



BF0051



B51C17



954700

# Triad

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



B51C17



007129



0060D4

# Complementary

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



B51C17



17B0B5

# 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.



006FCA



B51C17



007469

# Square

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



B51C17



1C6B00



0074A3



6844BC

# Rectangle

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



B51C17



765800



0074A3



0066D4



# Sweetspot

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



B51C17



EBB0AE



B517B2



755251



F5F5F5



757575



# Same Dimension

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



B51C17



EB0700



B56917



595150



990500



1A0100

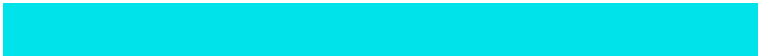


# Inverse Universe

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



17B0B5



00E3EB



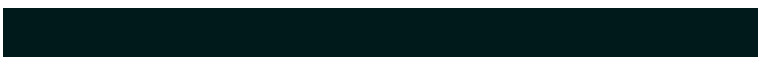
1763B5



505959



009499



00191A



# Previews

## White Background



This preview shows how the Hex color B51C17 looks on a white background.

## Color Contrast Check

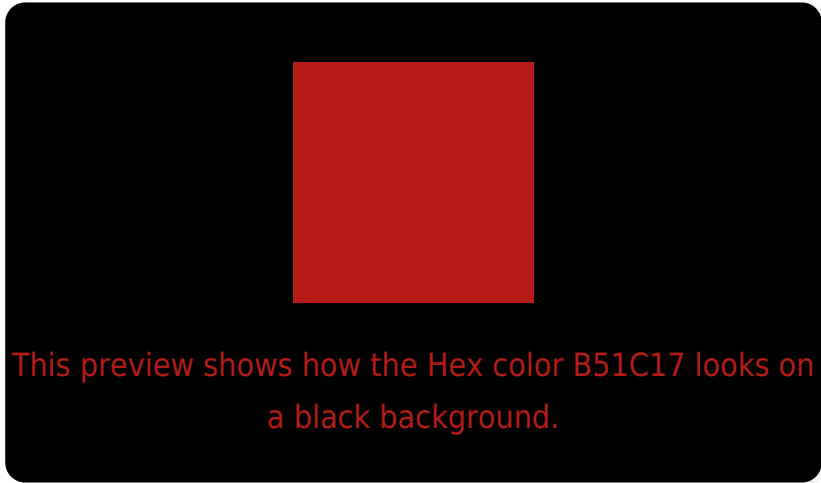
Large Text (above 18pt) WCAG AA ✓ Pass

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 B51C17 Background



This preview shows how black text looks on a background with the Hex color B51C17.



This preview shows how white text looks on a background with the Hex color B51C17.

# 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**  
B51C17

**Protanopia**  
685E26

**Deuteranopia**  
765900



# Trichromacy



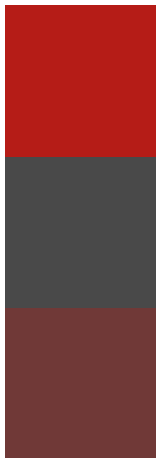
**Original Color**  
B51C17

**Protanomaly**  
844621

**Deuteranomaly**  
8D4308

**Tritanomaly**  
B51C19

# Monochromacy



**Original Color**  
B51C17

**Achromatopsia**  
494949

**Achromatomaly**  
703937

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B51C17 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 #B51C17 looks like.

```
.text, #text, p{  
    color:#B51C17  
}
```

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 #B51C17 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B51C17
}
```

## Border

The CSS property to change the border of an element to Hex B51C17 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".

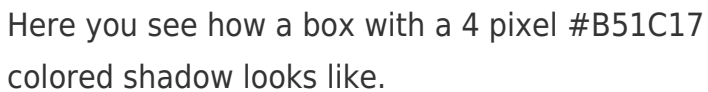
```
.border, #border, table{ border:4px solid
#B51C17 }
```

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

```
.border{ border-color:#B51C17 }
```

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

Here you see how a box with a 4 pixel #B51C17 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B51C17; -webkit-box-shadow:4px 4px  
4px 4px #B51C17; box-shadow:4px 4px 4px  
4px #B51C17 }
```

# Background

The CSS property to change the background color of an element to Hex B51C17 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B51C17 }
```

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

```
.background{ background-color:#B51C17 }
```

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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