

# Converting Colors

Hex(B81B1A)

Have a look what the booklet for  
Hex(B81B1A) contains.

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# Color

**Hex(B81B1A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B81B1A
RGB	184, 27, 26
RGB Percent	72%, 11%, 10%
CMY	0.2784, 0.8941, 0.8980
CMYK	0.00, 0.85, 0.86, 0.28
HSL	0°, 75%, 41%
HSV	0°, 86%, 72%
XYZ	20.3456, 11.0488, 2.0376
YIQ	73.8290, 93.8930, 32.9730

# Conversions

## Conversions Part 2

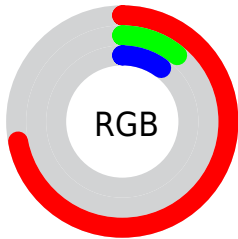
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 27, 26
Decimal	12065562
CIELab	39.66, 59.17, 42.87
CIElCh	40, 73.072, 35.924
Yxy	11.0488, 0.6086, 0.3305
Android (android.graphics.Color)	4290255642 (0xFFB81B1A)
YUV	73.8290, -23.5797, 96.6200
Hunter-Lab	33.2397, 51.0877, 19.6334

# Details

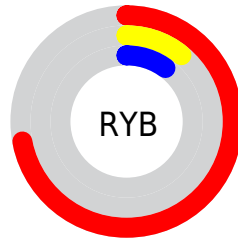
The Hex color **B81B1A** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **1AB7B8**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **F85A48**, and **7A0000** is the 20% darker color. If you saturate the color by 10%, you get **B80908**, and if you desaturate by 10%, it is **B82D2C**.

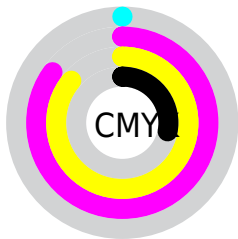
# Distribution



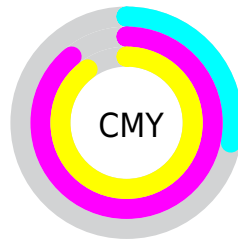
- Red (72%)
- Green (11%)
- Blue (10%)



- Red (72%)
- Yellow (11%)
- Blue (10%)



- Cyan (0%)
- Magenta (85%)
- Yellow (86%)
- Black (28%)



- Cyan (28%)
- Magenta (89%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B81B1A 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 B81B1A by changing the saturation by 10% instead.



 B81B1A

 B81B1A

FFFFFF

 990003

 F85A48

 7A0000

 FF7660

 5B0000

 FF9379

 3F0003

 FFAF93

 1C0001

 FFCCA E

 000000

 FFE9CA

 FFFF E6

 B81B1A

 B81B1A

 B80908

 B82D2C


 B80100

 B8403F

 B85251

 B86464

 B87676

 B88988

 B89B9B

 B8ADAD

 B8C0C0

# Harmonies

## Analogous

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



C10055



B81B1A



984700

# Triad

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



B81B1A



007328



0062D6

# Complementary

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



B81B1A



1AB7B8

# 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.



0070CC



B81B1A



007568

# Square

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



B81B1A



216C00



0075A3



6646C0

# Rectangle

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



B81B1A



7A5900



0075A3



0068D6



# Sweetspot

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



B81B1A



F0B2B1



B81AB8



785353



F7F7F7



787878



# Same Dimension

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



B81B1A



F00200



B8691A



5C5353



9C0100



1C0000



# Inverse Universe

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



1AB7B8



00EEF0



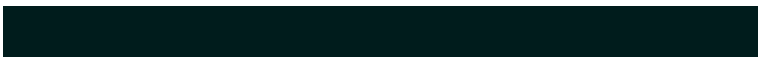
1A69B8



535C5C



009B9C



001C1C



# Previews

## White Background



This preview shows how the Hex color B81B1A looks on a white background.

## Color Contrast Check

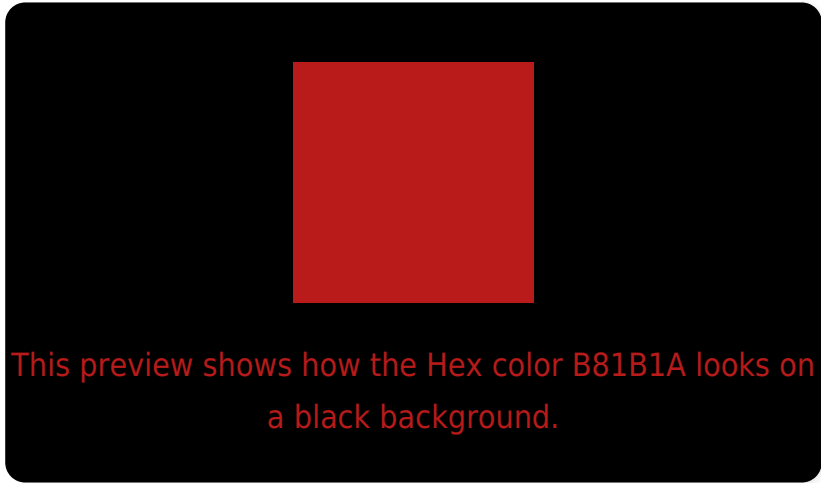
Large Text (above 18pt) WCAG AA ✓ Pass

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 B81B1A Background



This preview shows how black text looks on a background with the Hex color B81B1A.

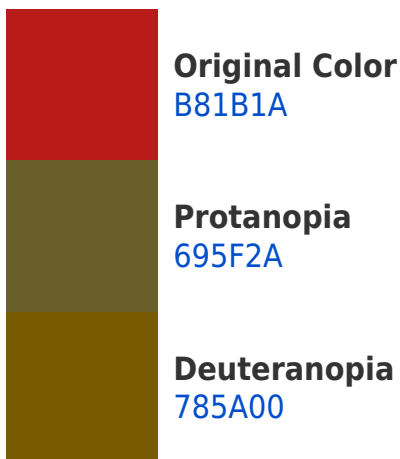


This preview shows how white text looks on a background with the Hex color B81B1A.

# 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](#).

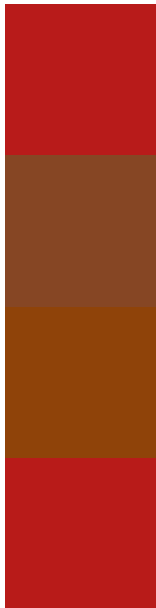
## Dichromacy





**Tritanopia**  
B81B19

# Trichromacy



**Original Color**  
B81B1A

**Protanomaly**  
864624

**Deuteranomaly**  
8F4309

**Tritanomaly**  
B81B19

# Monochromacy



**Original Color**  
B81B1A

**Achromatopsia**  
4A4A4A

**Achromatomaly**  
723939

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B81B1A 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 #B81B1A looks like.

```
.text, #text, p{  
    color:#B81B1A  
}
```

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 #B81B1A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B81B1A
}
```

## Border

The CSS property to change the border of an element to Hex B81B1A is called "border". The border property can be set on classes, ids or directly on the HTML element.

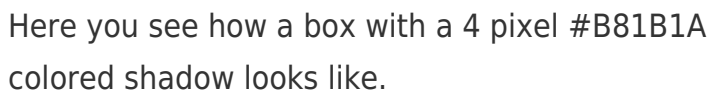
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B81B1A }
```

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

```
.border{ border-color:#B81B1A }
```

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



Here you see how a box with a 4 pixel #B81B1A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B81B1A; -webkit-box-shadow:4px 4px  
4px 4px #B81B1A; box-shadow:4px 4px 4px  
4px #B81B1A }
```

# Background

The CSS property to change the background color of an element to Hex B81B1A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B81B1A }
```

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

```
.background{ background-color:#B81B1A }
```

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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