

# Converting Colors

Hex(B81F11)

Have a look what the booklet for  
Hex(B81F11) contains.

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**Color**

**Hex(B81F11)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B81F11
RGB	184, 31, 17
RGB Percent	72%, 12%, 7%
CMY	0.2784, 0.8784, 0.9333
CMYK	0.00, 0.83, 0.91, 0.28
HSL	5°, 83%, 39%
HSV	5°, 91%, 72%
XYZ	20.3583, 11.2108, 1.6212
YIQ	75.1510, 95.6820, 28.0820

# Conversions

## Conversions Part 2

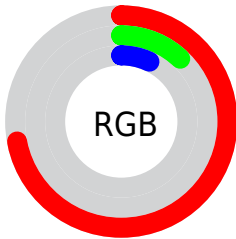
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	184, 32, 17
Decimal	12066577
CIE Lab	39.93, 58.07, 47.23
CIE LCh	40, 74.854, 39.125
Yxy	11.2108, 0.6134, 0.3378
Android (android.graphics.Color)	4290256657 (0xFFB81F11)
YUV	75.1510, -28.6684, 95.4606
Hunter-Lab	33.4825, 49.9387, 20.5670

# Details

The Hex color **B81F11** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **11AAB8**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **F85C40**, and **790000** is the 20% darker color. If you saturate the color by 10%, you get **B80F00**, and if you desaturate by 10%, it is **B83023**.

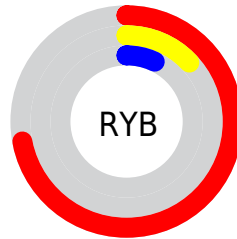
# Distribution



Red (72%)

Green (12%)

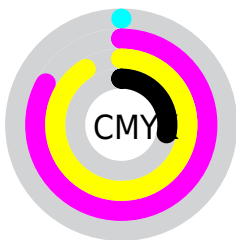
Blue (7%)



Red (72%)

Yellow (13%)

Blue (7%)

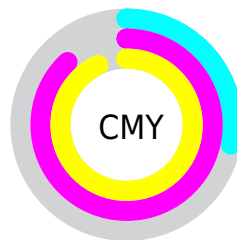


Cyan (0%)

Magenta (83%)

Yellow (91%)

Black (28%)



Cyan (28%)

Magenta (88%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B81F11 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 B81F11 by changing the saturation by 10% instead.



 B81F11

 B81F11

 FFFFFA

 990000

 F85C40

 790000

 FF7858

 5B0000

 FF9471

 3F0003

 FFB18B

 1C0001

 FFCEA6

 000000

 FFEBC1

 FFFFDE

 B81F11

 B81F11

 B80F00

 B83023

 B84136

 B85248

 B8625B

 B8736D

 B8847F

 B89592

 B8A6A4

 B8B7B7

# Harmonies

## Analogous

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



C5004F



B81F11



954A00

# Triad

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



B81F11



00742F



0061D9

# Complementary

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



B81F11



11AAB8

# 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.



0071D2



B81F11



007770

# Square

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



B81F11



0B6E00



0076AB



7242BE

# Rectangle

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



B81F11



755B00



0076AB



0067DB



# Sweetspot

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



B81F11



F0B4AF



B811AA



785551



F7F7F7



787878



# Same Dimension

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



B81F11



F01400



B87211



5C5353



9C0D00



1C0200



# Inverse Universe

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



11AAB8



00DCF0



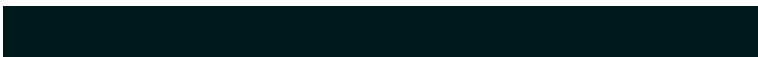
1157B8



535B5C



008F9C



001A1C



# Previews

## White Background



This preview shows how the Hex color B81F11 looks on a white background.

## Color Contrast Check

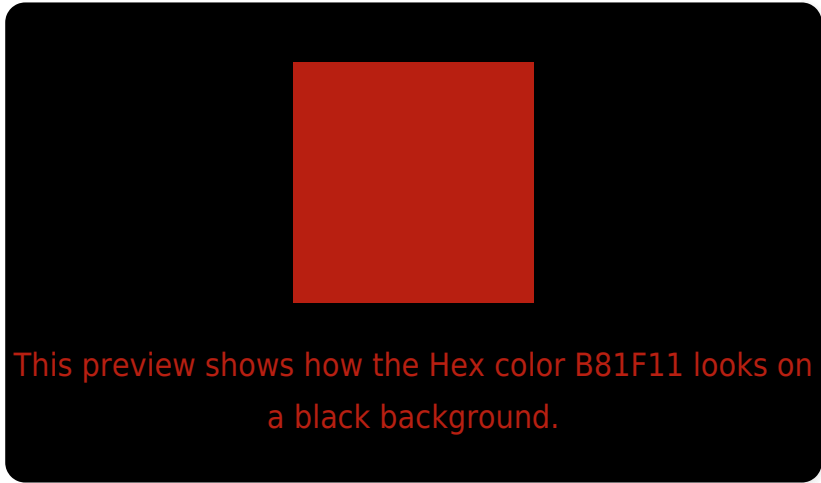
Large Text (above 18pt) WCAG AA ✓ Pass

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 B81F11 Background



This preview shows how black text looks on a background with the Hex color B81F11.



This preview shows how white text looks on a background with the Hex color B81F11.

# 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**  
B81F11

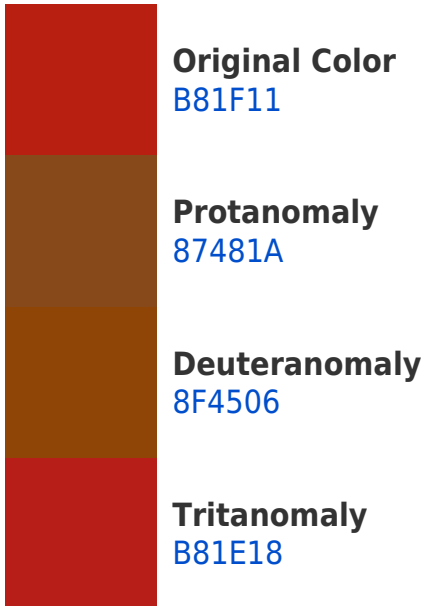
**Protanopia**  
6B601F

**Deuteranopia**  
785B00

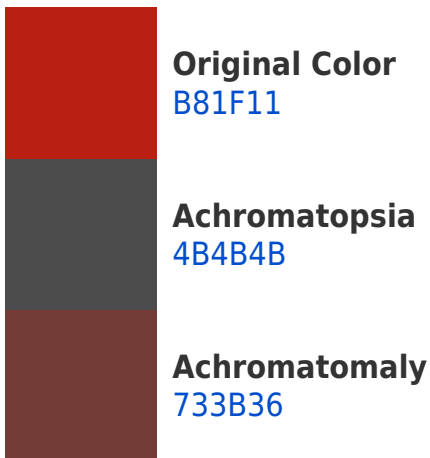


**Tritanopia**  
B81E1C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B81F11 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 #B81F11 looks like.

```
.text, #text, p{  
    color:#B81F11  
}
```

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 #B81F11 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B81F11 }  
}
```

## Border

The CSS property to change the border of an element to Hex B81F11 is called "border". The border property can be set on classes, ids or directly on the HTML element.

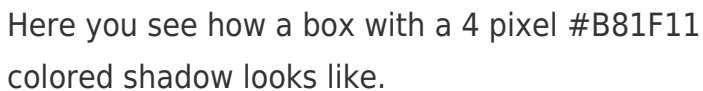
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid #B81F11 }  
}
```

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

```
.border{ border-color:#B81F11 }
```

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



Here you see how a box with a 4 pixel #B81F11 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B81F11; -webkit-box-shadow:4px 4px  
4px 4px #B81F11; box-shadow:4px 4px 4px  
4px #B81F11 }
```

# Background

The CSS property to change the background color of an element to Hex B81F11 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B81F11 }
```

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

```
.background{ background-color:#B81F11 }
```

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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