

# Converting Colors

Hex(B11212)

Have a look what the booklet for  
Hex(B11212) contains.

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**Color**

**Hex(B11212)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B11212
RGB	177, 18, 18
RGB Percent	69%, 7%, 7%
CMY	0.3059, 0.9294, 0.9294
CMYK	0.00, 0.90, 0.90, 0.31
HSL	0°, 82%, 38%
HSV	0°, 90%, 69%
XYZ	18.4569, 9.8234, 1.4956
YIQ	65.5410, 94.7640, 33.7080

# Conversions

## Conversions Part 2

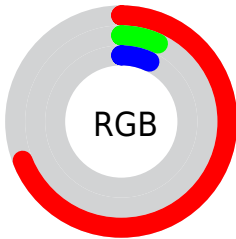
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 18, 18
Decimal	11604498
CIE Lab	37.52, 58.84, 44.38
CIE LCh	38, 73.700, 37.030
Yxy	9.8234, 0.6199, 0.3299
Android (android.graphics.Color)	4289794578 (0xFFB11212)
YUV	65.5410, -23.4377, 97.7495
Hunter-Lab	31.3423, 50.2666, 19.1104

# Details

The Hex color **B11212** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **12B1B1**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **F15540**, and **730000** is the 20% darker color. If you saturate the color by 10%, you get **B10000**, and if you desaturate by 10%, it is **B12424**.

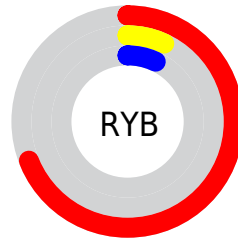
# Distribution



Red (69%)

Green (7%)

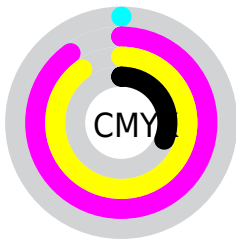
Blue (7%)



Red (69%)

Yellow (7%)

Blue (7%)

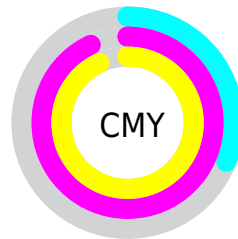


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (31%)



Cyan (31%)

Magenta (93%)

Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the Hex color B11212 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 B11212 by changing the saturation by 10% instead.



 B11212

 B11212

 FFFFFFF9

 920000

 F15540

 730000

 FF7158

 540000

 FF8D71

 380002

 FFA98B

 0D0000

 FFC6A5

 000000

 FFE3C1

 FFFFDD

 B11212

 B11212

 B10000

 B12424

 B13535

 B14747

 B15959

 B16A6A

 B17C7C

 B18E8E

 B1A0A0

 B1B1B1

# Harmonies

## Analogous

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



BC004D



B11212



904300

# Triad

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



B11212



006D25



005DD1

# Complementary

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



B11212



12B1B1

# 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.



006BC7



B11212



007065

# Square

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



B11212



136700



0070A0



643FB9

# Rectangle

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



B11212



725400



0070A0



0063D2



# Sweetspot

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



B11212



E6A8A8



B112B1



734E4E



F2F2F2



737373



# Same Dimension

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



B11212



E60000



B16212



595050



990000



1A0000



# Inverse Universe

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



12B1B1



00E6E6



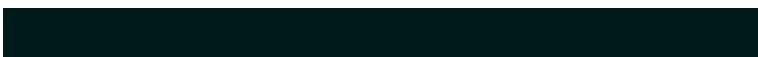
1262B1



505959



009999



001A1A



# Previews

## White Background



This preview shows how the Hex color B11212 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 B11212 Background



This preview shows how black text looks on a background with the Hex color B11212.



This preview shows how white text looks on a background with the Hex color B11212.

# 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**  
B11212

**Protanopia**  
655A21

**Deuteranopia**  
725600



**Tritanopia**  
B1130C

# Trichromacy



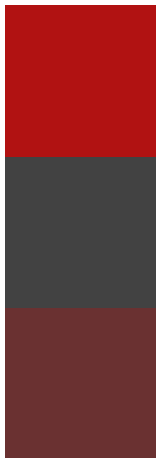
**Original Color**  
B11212

**Protanomaly**  
81401C

**Deuteranomaly**  
893D07

**Tritanomaly**  
B1130E

# Monochromacy



**Original Color**  
B11212

**Achromatopsia**  
424242

**Achromatomaly**  
6A3131

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B11212 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 #B11212 looks like.

```
.text, #text, p{  
    color:#B11212  
}
```

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 #B11212 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B11212
}
```

## Border

The CSS property to change the border of an element to Hex B11212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

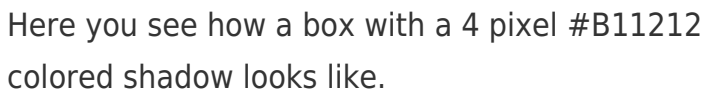
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B11212 }
```

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

```
.border{ border-color:#B11212 }
```

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



Here you see how a box with a 4 pixel #B11212 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B11212; -webkit-box-shadow:4px 4px  
4px 4px #B11212; box-shadow:4px 4px 4px  
4px #B11212 }
```

# Background

The CSS property to change the background color of an element to Hex B11212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B11212 }
```

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

```
.background{ background-color:#B11212 }
```

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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