

# Converting Colors

Hex(B22222)

Have a look what the booklet for  
Hex(B22222) contains.

<b>Hex(B22222)</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(B22222)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B22222
RGB	178, 34, 34
RGB Percent	70%, 13%, 13%
CMY	0.3020, 0.8667, 0.8667
CMYK	0.00, 0.81, 0.81, 0.30
HSL	0°, 68%, 42%
HSV	0°, 81%, 70%
XYZ	19.2209, 10.7245, 2.5704
YIQ	77.0560, 85.8240, 30.5280

# Conversions

## Conversions Part 2

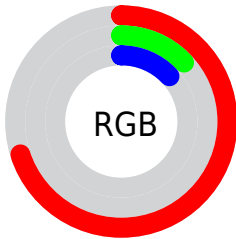
Format	Color
<a href="#">RYB</a>	<a href="#">178, 34, 34</a>
Decimal	<a href="#">11674146</a>
CIELab	<a href="#">39.11, 55.93, 37.65</a>
CIELCh	<a href="#">39, 67.419, 33.947</a>
Yxy	<a href="#">10.7245, 0.5911, 0.3298</a>
Android (android.graphics.Color)	<a href="#">4289864226</a> ( <a href="#">0xFFB22222</a> )
YUV	<a href="#">77.0560, -21.2266, 88.5279</a>
Hunter-Lab	<a href="#">32.7483, 47.4568, 18.2703</a>

# Details

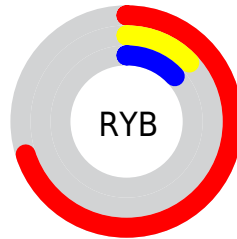
The Hex color **B22222** is a dark color, and the websafe version is hex **CC3333**, and the color name is **firebrick**. A complement of this color would be **22B2B2**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **F15D50**, and **750000** is the 20% darker color. If you saturate the color by 10%, you get **B21010**, and if you desaturate by 10%, it is **B23434**.

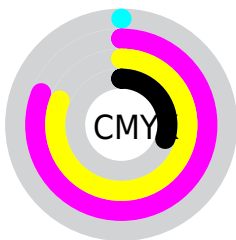
# Distribution



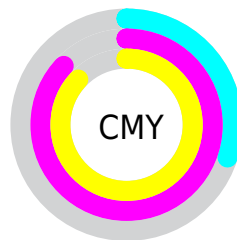
- Red (70%)
- Green (13%)
- Blue (13%)



- Red (70%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (81%)
- Yellow (81%)
- Black (30%)



- Cyan (30%)
- Magenta (87%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B22222 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 B22222 by changing the saturation by 10% instead.



 B22222

 B22222

FFFFFF

 93000D

 F15D50

 750000

 FF7968

 560000

 FF9581

 3B0002

 FFB19B

 140000

 FFCEB6

 000000

 FFEBD2

 FFFFEF

 B22222

 B22222

 B21010

 B23434

 B20000

 B24646

 B25757

 B26969

 B27B7B

 B28D8D

 B29F9F

 B2B0B0

 B2C2C2

# Harmonies

## Analogous

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



B90057



B22222



954600

# Triad

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



B22222



007027



0061CB

# Complementary

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



B22222



22B2B2

# 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.



006EBF



B22222



007362

# Square

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



B22222



2F6900



007399



5F49B8

# Rectangle

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



B22222



7A5600



007399



0067CB



# Sweetspot

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



B22222



E8B0B0



B222B2



755353



F5F5F5



757575



# Same Dimension

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



B22222



E80707



B26A22



595050



990000



1A0000



# Inverse Universe

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



22B2B2



07E8E8



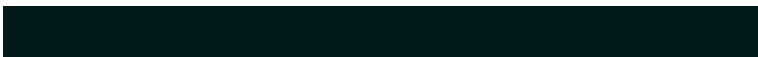
226AB2



505959



009999



001A1A



# Previews

## White Background



This preview shows how the Hex color B22222 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 B22222 Background



This preview shows how black text looks on a background with the Hex color B22222.

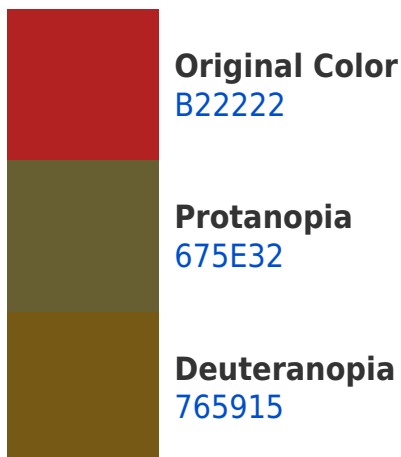


This preview shows how white text looks on a background with the Hex color B22222.

# Color Blindness Simulation

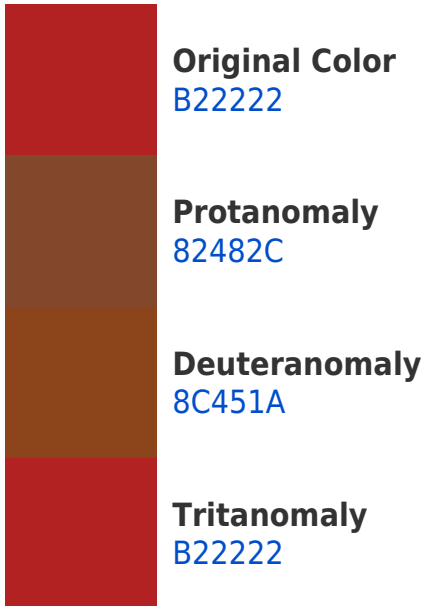
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B22222 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 #B22222 looks like.

```
.text, #text, p{  
    color:#B22222  
}
```

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 #B22222 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B22222
}
```

## Border

The CSS property to change the border of an element to Hex B22222 is called "border". The border property can be set on classes, ids or directly on the HTML element.

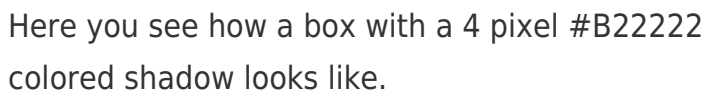
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B22222 }
```

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

```
.border{ border-color:#B22222 }
```

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



Here you see how a box with a 4 pixel #B22222 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B22222; -webkit-box-shadow:4px 4px  
4px 4px #B22222; box-shadow:4px 4px 4px  
4px #B22222 }
```

# Background

The CSS property to change the background color of an element to Hex B22222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B22222 }
```

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

```
.background{ background-color:#B22222 }
```

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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