

# Converting Colors

Hex(B22512)

Have a look what the booklet for  
Hex(B22512) contains.

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**Color**

**Hex(B22512)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B22512
RGB	178, 37, 18
RGB Percent	70%, 15%, 7%
CMY	0.3020, 0.8549, 0.9294
CMYK	0.00, 0.79, 0.90, 0.30
HSL	7°, 82%, 38%
HSV	7°, 90%, 70%
XYZ	19.1308, 10.8318, 1.6547
YIQ	76.9930, 90.1350, 23.9830

# Conversions

## Conversions Part 2

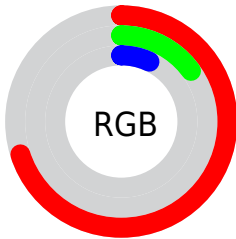
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	178, 40, 18
Decimal	11674898
CIE Lab	39.30, 54.68, 45.80
CIE LCh	39, 71.326, 39.949
Yxy	10.8318, 0.6051, 0.3426
Android (android.graphics.Color)	4289864978 (0xFFB22512)
YUV	76.9930, -29.0835, 88.5831
Hunter-Lab	32.9117, 46.1628, 20.0572

# Details

The Hex color **B22512** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **129FB2**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **F15F41**, and **740000** is the 20% darker color. If you saturate the color by 10%, you get **B21500**, and if you desaturate by 10%, it is **B23524**.

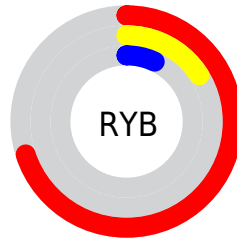
# Distribution



Red (70%)

Green (15%)

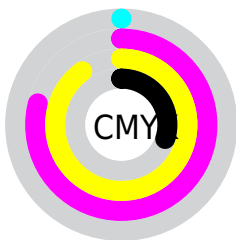
Blue (7%)



Red (70%)

Yellow (16%)

Blue (7%)

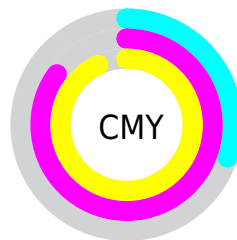


Cyan (0%)

Magenta (79%)

Yellow (90%)

Black (30%)



Cyan (30%)

Magenta (85%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B22512 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 B22512 by changing the saturation by 10% instead.



 B22512

 B22512

 FFFFFB

 930000

 F15F41

 740000

 FF7B59

 560000

 FF9672

 3B0002

 FFB38C

 140000

 FFCFA7

 000000

 FFECC2

 FFFFDE

 B22512

 B22512

 B21500

 B23524

 B24436

 B25447

 B26459

 B2736B

 B2837D

 B2938F

 B2A2A0

 B2B2B2

# Harmonies

## Analogous

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



BF004C



B22512



904B00

# Triad

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



B22512



007231



005ED1

# Complementary

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



B22512



129FB2

# 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.



006ECB



B22512



00746F

# Square

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



B22512



0F6C00



0074A7



7241B7

# Rectangle

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



B22512



725A00



0074A7



0065D3



# Sweetspot

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



B22512



E8B1A9



B2129F



755450



F5F5F5



757575



# Same Dimension

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



B22512



E81C00



B27512



595150



991200



1A0300



# Inverse Universe

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



129FB2



00CCE8



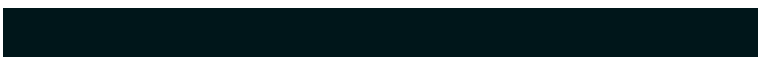
124FB2



505859



008799



00161A



# Previews

## White Background



This preview shows how the Hex color B22512 looks on a white background.

## Color Contrast Check

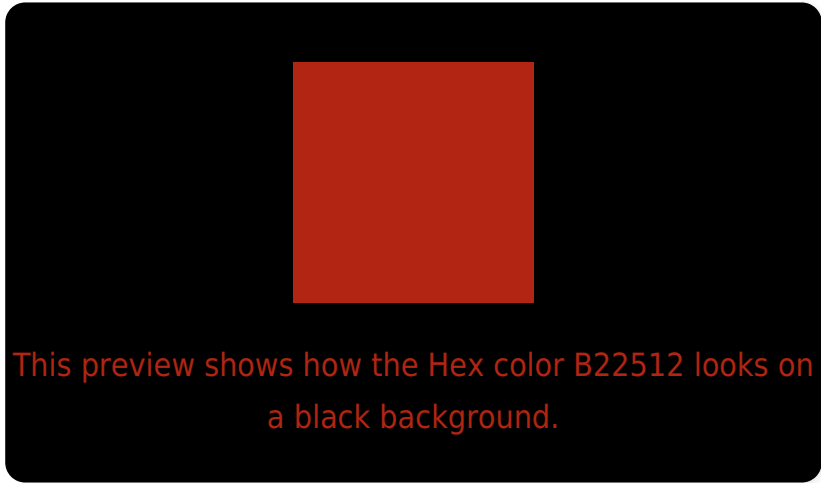
Large Text (above 18pt) WCAG AA ✓ Pass

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 B22512 Background



This preview shows how black text looks on a background with the Hex color B22512.



This preview shows how white text looks on a background with the Hex color B22512.

# 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



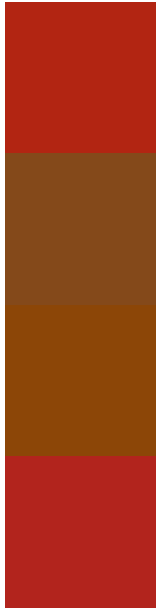
**Original Color**  
B22512

**Protanopia**  
695E1F

**Deuteranopia**  
765900



# Trichromacy



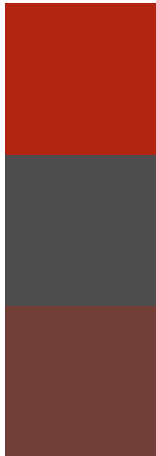
**Original Color**  
B22512

**Protanomaly**  
84491A

**Deuteranomaly**  
8C4607

**Tritanomaly**  
B2241D

# Monochromacy



**Original Color**  
B22512

**Achromatopsia**  
4D4D4D

**Achromatomaly**  
723E38

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B22512 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 #B22512 looks like.

```
.text, #text, p{  
    color:#B22512  
}
```

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 #B22512 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B22512
}
```

## Border

The CSS property to change the border of an element to Hex B22512 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".

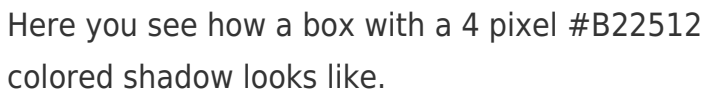
```
.border, #border, table{ border:4px solid
#B22512 }
```

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

```
.border{ border-color:#B22512 }
```

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

Here you see how a box with a 4 pixel #B22512 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B22512; -webkit-box-shadow:4px 4px  
4px 4px #B22512; box-shadow:4px 4px 4px  
4px #B22512 }
```

# Background

The CSS property to change the background color of an element to Hex B22512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B22512 }
```

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

```
.background{ background-color:#B22512 }
```

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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