

# Converting Colors

Hex(E4211B)

Have a look what the booklet for  
Hex(E4211B) contains.

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**Color**

**Hex(E4211B)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | E4211B                     |
| RGB           | 228, 33, 27                |
| RGB Percent   | 89%, 13%, 11%              |
| CMY           | 0.1059, 0.8706, 0.8941     |
| CMYK          | 0.00, 0.86, 0.88, 0.11     |
| HSL           | 2°, 79%, 50%               |
| HSV           | 2°, 88%, 89%               |
| XYZ           | 32.7366, 17.6608, 2.7204   |
| YIQ           | 90.6210, 118.1460, 39.4740 |

# Conversions

## Conversions Part 2

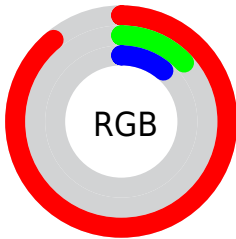
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 228, 33, 27                    |
| Decimal                             | 14950683                       |
| CIE Lab                             | 49.08, 69.96, 53.74            |
| CIE LCh                             | 49, 88.218, 37.532             |
| Yxy                                 | 17.6608, 0.6163,<br>0.3325     |
| Android<br>(android.graphics.Color) | 4293140763<br>(0xFFE4211B)     |
| YUV                                 | 90.6210, -31.3652,<br>120.4814 |
| Hunter-Lab                          | 42.0248, 65.5051,<br>25.5793   |

# Details

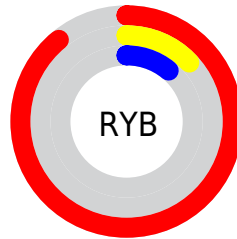
The Hex color **E4211B** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **1BDEE4**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **FF654B**, and **A30000** is the 20% darker color. If you saturate the color by 10%, you get **E40B04**, and if you desaturate by 10%, it is **E43732**.

# Distribution



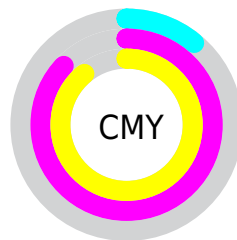
- Red (89%)
- Green (13%)
- Blue (11%)



- Red (89%)
- Yellow (13%)
- Blue (11%)



- Cyan (0%)
- Magenta (86%)
- Yellow (88%)
- Black (11%)



- Cyan (11%)
- Magenta (87%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E4211B 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 E4211B by changing the saturation by 10% instead.



 E4211B

 E4211B

FFFFFF

 C30002

 FF654B

 A30000

 FF8364

 820000

 FFA07D

 630001

 FFBE98

 460003

 FFDBB3

 250001

 FFF9CF

 000000

 FFFFEB

 E4211B

 E4211B

 E40B04

 E43732

 E40700

 E44D49

 E4635F

 E47976

 E4908D

 E4A6A4

 E4BCBB

 E4D2D1

 E4E8E8

# Harmonies

## Analogous

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



F20066



E4211B



BA5A00

# Triad

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



E4211B



008F36



0079FF

# Complementary

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



E4211B



1BDEE4

# 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.



008CFF



E4211B



009286

# Square

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



E4211B



1B8800



0092CF



8655ED

# Rectangle

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



E4211B



947000



0092CF



0081FF



# Sweetspot

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



E4211B



FFBFBD



E41BE1



805958



000000



808080



# Same Dimension

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



E4211B



FF0800



E4831B



736867



B30500



330200



# Inverse Universe

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



1BDEE4



00F7FF



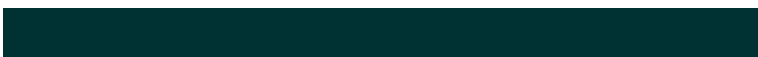
1B7CE4



677273



00ADB3



003133



# Previews

## White Background



This preview shows how the Hex color E4211B looks on a white background.

## Color Contrast Check

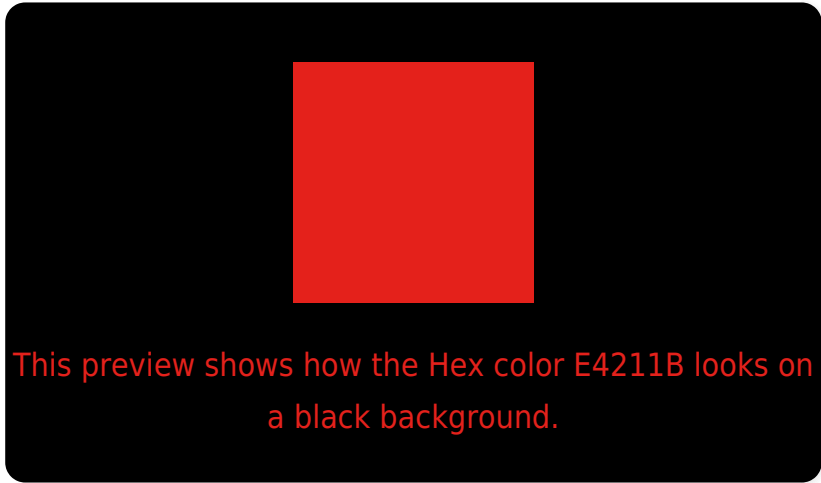
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex E4211B Background



This preview shows how black text looks on a background with the Hex color E4211B.



This preview shows how white text looks on a background with the Hex color E4211B.

# 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**  
E4211B

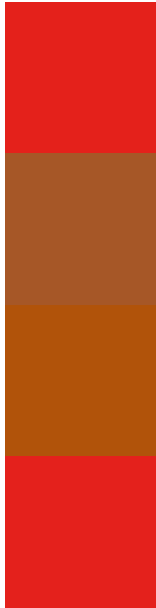
**Protanopia**  
83762E

**Deuteranopia**  
946F00



**Tritanopia**  
E4211D

# Trichromacy



**Original Color**  
E4211B

**Protanomaly**  
A65727

**Deuteranomaly**  
B1530A

**Tritanomaly**  
E4211C

# Monochromacy



**Original Color**  
E4211B

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
8D4644

# CSS Examples

## Text

The CSS property to change the color of the text to Hex E4211B 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 #E4211B looks like.

```
.text, #text, p{  
    color:#E4211B  
}
```

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 #E4211B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E4211B
}
```

## Border

The CSS property to change the border of an element to Hex E4211B 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".

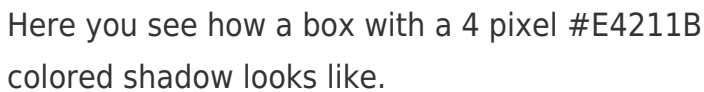
```
.border, #border, table{ border:4px solid
#E4211B }
```

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

```
.border{ border-color:#E4211B }
```

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

Here you see how a box with a 4 pixel #E4211B colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E4211B; -webkit-box-shadow:4px 4px  
4px 4px #E4211B; box-shadow:4px 4px 4px  
4px #E4211B }
```

# Background

The CSS property to change the background color of an element to Hex E4211B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E4211B }
```

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

```
.background{ background-color:#E4211B }
```

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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