

# Converting Colors

Hex(E41B1B)

Have a look what the booklet for  
Hex(E41B1B) contains.

<b>Hex(E41B1B)</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(E41B1B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E41B1B
RGB	228, 27, 27
RGB Percent	89%, 11%, 11%
CMY	0.1059, 0.8941, 0.8941
CMYK	0.00, 0.88, 0.88, 0.11
HSL	0°, 79%, 50%
HSV	0°, 88%, 89%
XYZ	32.5847, 17.3570, 2.6697
YIQ	87.0990, 119.7960, 42.6120

# Conversions

## Conversions Part 2

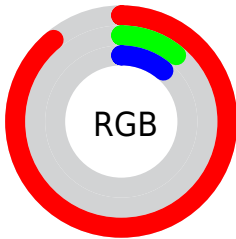
Format	Color
<a href="#">RYB</a>	<a href="#">228, 27, 27</a>
Decimal	<a href="#">14949147</a>
CIELab	<a href="#">48.71, 71.03, 53.46</a>
CIElCh	<a href="#">49, 88.903, 36.966</a>
Yxy	<a href="#">17.3570, 0.6193, 0.3299</a>
Android (android.graphics.Color)	<a href="#">4293139227</a> (0xFFE41B1B)
YUV	<a href="#">87.0990, -29.6288, 123.5702</a>
Hunter-Lab	<a href="#">41.6617, 66.7014, 25.3638</a>

# Details

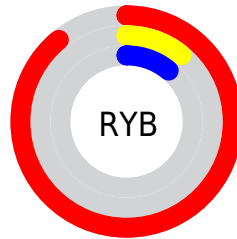
The Hex color **E41B1B** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **1BE4E4**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **FF634B**, and **A30000** is the 20% darker color. If you saturate the color by 10%, you get **E40404**, and if you desaturate by 10%, it is **E43232**.

# Distribution



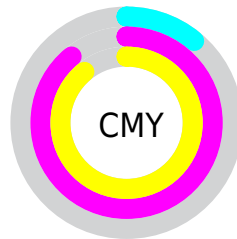
- Red (89%)
- Green (11%)
- Blue (11%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Hex color E41B1B 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 E41B1B by changing the saturation by 10% instead.



 E41B1B

 E41B1B

FFFFFF

 C30002

 FF634B

 A30000

 FF8064

 820000

 FF9E7D

 620001

 FFBB97

 450003

 FFD9B3

 240001

 FFF7CE

 000000

 FFFFEB

 E41B1B

 E41B1B

 E40404

 E43232

 E40000

 E44949

 E45F5F

 E47676

 E48D8D

 E4A4A4

 E4BBBB

 E4D1D1

 E4E8E8

# Harmonies

## Analogous

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



F10066



E41B1B



BA5800

# Triad

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



E41B1B



008E33



0079FF

# Complementary

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



E41B1B



1BE4E4

# 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.



008BFF



E41B1B



009184

# Square

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



E41B1B



1B8700



0091CE



8254EE

# Rectangle

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



E41B1B



946F00



0091CE



0081FF



# Sweetspot

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



E41B1B



FFBDBD



E41BE4



805858



000000



808080



# Same Dimension

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



E41B1B



FF0000



E47F1B



736767



B30000

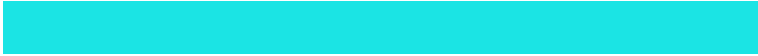


330000



# Inverse Universe

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



1BE4E4



00FFFF



1B7FE4



677373



00B3B3



003333



# Previews

## White Background



This preview shows how the Hex color E41B1B looks on a white background.

## Color Contrast Check

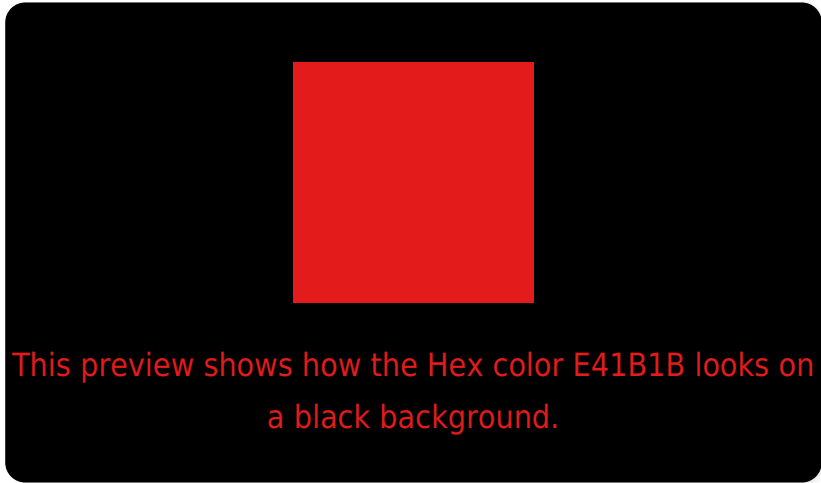
Large Text (above 18pt) WCAG AA ✓ Pass

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 E41B1B Background



This preview shows how black text looks on a background with the Hex color E41B1B.



This preview shows how white text looks on a background with the Hex color E41B1B.

# 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**  
E41B1B

**Protanopia**  
82752E

**Deuteranopia**  
936F00



**Tritanopia**  
E41C16

# Trichromacy



**Original Color**  
E41B1B

**Protanomaly**  
A65427

**Deuteranomaly**  
B0500A

**Tritanomaly**  
E41C18

# Monochromacy



**Original Color**  
E41B1B

**Achromatopsia**  
575757

**Achromatomaly**  
8A4141

# CSS Examples

## Text

The CSS property to change the color of the text to Hex E41B1B 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 #E41B1B looks like.

```
.text, #text, p{  
    color:#E41B1B  
}
```

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 #E41B1B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E41B1B
}
```

## Border

The CSS property to change the border of an element to Hex E41B1B 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".

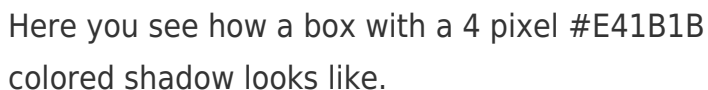
```
.border, #border, table{ border:4px solid
#E41B1B }
```

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

```
.border{ border-color:#E41B1B }
```

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

Here you see how a box with a 4 pixel #E41B1B colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E41B1B; -webkit-box-shadow:4px 4px  
4px 4px #E41B1B; box-shadow:4px 4px 4px  
4px #E41B1B }
```

# Background

The CSS property to change the background color of an element to Hex E41B1B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E41B1B }
```

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

```
.background{ background-color:#E41B1B }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**