

# Converting Colors

Hex(D33B1B)

Have a look what the booklet for  
Hex(D33B1B) contains.

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# Color

**Hex(D33B1B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D33B1B
RGB	211, 59, 27
RGB Percent	83%, 23%, 11%
CMY	0.1725, 0.7686, 0.8941
CMYK	0.00, 0.72, 0.87, 0.17
HSL	10°, 77%, 47%
HSV	10°, 87%, 83%
XYZ	28.6258, 17.0559, 2.8203
YIQ	100.8000, 100.8640, 22.2720

# Conversions

## Conversions Part 2

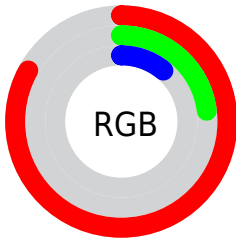
Format	Color
<a href="#">RYB</a>	<a href="#">211, 66, 27</a>
Decimal	<a href="#">13843227</a>
CIELab	<a href="#">48.33, 57.87, 51.74</a>
CIELCh	<a href="#">48, 77.624, 41.800</a>
Yxy	<a href="#">17.0559, 0.5902, 0.3517</a>
Android (android.graphics.Color)	<a href="#">4292033307</a> ( <a href="#">0xFFD33B1B</a> )
YUV	<a href="#">100.8000, -36.3834, 96.6454</a>
Hunter-Lab	<a href="#">41.2988, 51.4520, 24.8603</a>

# Details

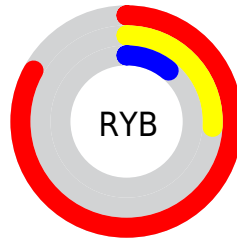
The Hex color **D33B1B** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **1BB3D3**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **FF744C**, and **940000** is the 20% darker color. If you saturate the color by 10%, you get **D32A06**, and if you desaturate by 10%, it is **D34C30**.

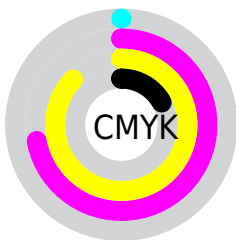
# Distribution



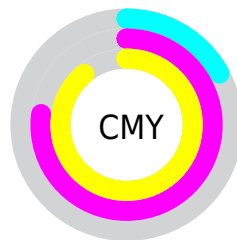
- Red (83%)
- Green (23%)
- Blue (11%)



- Red (83%)
- Yellow (26%)
- Blue (11%)



- Cyan (0%)
- Magenta (72%)
- Yellow (87%)
- Black (17%)



- Cyan (17%)
- Magenta (77%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D33B1B 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 D33B1B by changing the saturation by 10% instead.



 D33B1B

 D33B1B

FFFFFF

 B31901

 FF744C

 940000

 FF9065

 740000

 FFAC7E

 560000

 FFC999

 3A0002

 FFE6B4

 120000

 FFFFD0

 000000

 FFFFEC

 D33B1B

 D33B1B

 D32A06

 D34C30

 D32500

 D35E45

 D36F5A

 D3816F

 D39284

 D3A49A

 D3B5AF

 D3C6C4

 D3D8D9

# Harmonies

## Analogous

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



E3005C



D33B1B



AC6000

# Triad

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



D33B1B



008C47



0073F5

# Complementary

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



D33B1B



1BB3D3

# 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.



0085F1



D33B1B



008E8C

# Square

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



D33B1B



1A8500



008DCA



9252D6

# Rectangle

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



D33B1B



887200



008DCA



007BF8



# Sweetspot

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



D33B1B



FFC8BD



D31BB4



805F58



000000



808080



# Same Dimension

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



D33B1B



FF2C00



D3961B



69605E



A81D00



290700

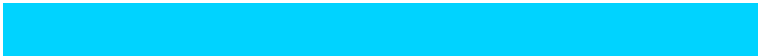


# Inverse Universe

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



1BB3D3



00D3FF



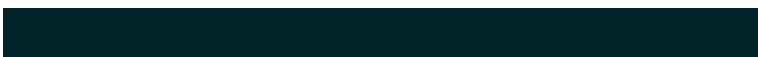
1B58D3



5E6769



008BA8



002229



# Previews

## White Background



This preview shows how the Hex color D33B1B looks on a white background.

## Color Contrast Check

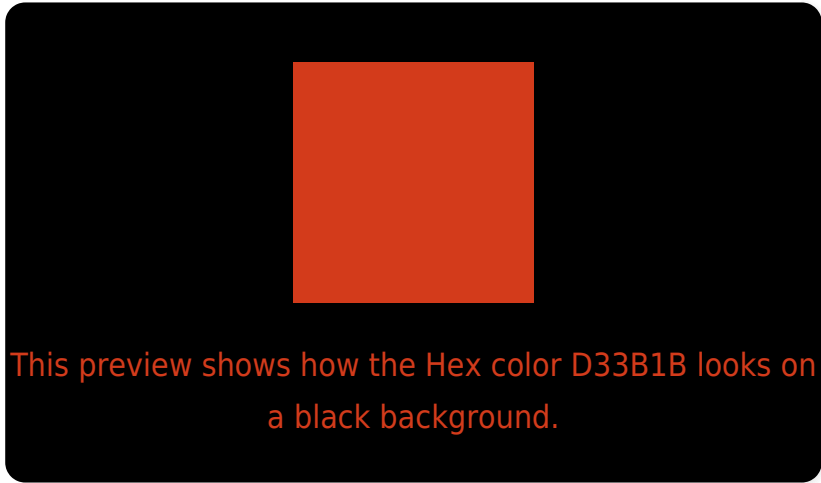
Large Text (above 18pt) WCAG AA ✓ Pass

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 D33B1B Background



This preview shows how black text looks on a background with the Hex color D33B1B.



This preview shows how white text looks on a background with the Hex color D33B1B.

# 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**  
D33B1B

**Protanopia**  
817429

**Deuteranopia**  
926E00



**Tritanopia**  
D4383A

# Trichromacy



**Original Color**  
D33B1B

**Protanomaly**  
9F5F24

**Deuteranomaly**  
AA5B0A

**Tritanomaly**  
D4392F

# Monochromacy



**Original Color**  
D33B1B

**Achromatopsia**  
656565

**Achromatomaly**  
8D564A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex D33B1B 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 #D33B1B looks like.

```
.text, #text, p{  
    color:#D33B1B  
}
```

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 #D33B1B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D33B1B
}
```

## Border

The CSS property to change the border of an element to Hex D33B1B 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
#D33B1B }
```

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

```
.border{ border-color:#D33B1B }
```

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

Here you see how a box with a 4 pixel #D33B1B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D33B1B; -webkit-box-shadow:4px 4px  
4px 4px #D33B1B; box-shadow:4px 4px 4px  
4px #D33B1B }
```

# Background

The CSS property to change the background color of an element to Hex D33B1B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D33B1B }
```

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

```
.background{ background-color:#D33B1B }
```

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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