

# Converting Colors

Hex(B33333)

Have a look what the booklet for  
Hex(B33333) contains.

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**Color**

**Hex(B33333)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B33333
RGB	179, 51, 51
RGB Percent	70%, 20%, 20%
CMY	0.2980, 0.8000, 0.8000
CMYK	0.00, 0.72, 0.72, 0.30
HSL	0°, 56%, 45%
HSV	0°, 72%, 70%
XYZ	20.3718, 12.1904, 4.4112
YIQ	89.2720, 76.2880, 27.1360

# Conversions

## Conversions Part 2

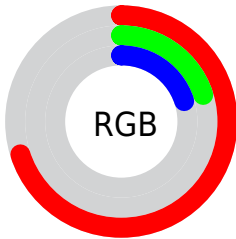
Format	Color
R <sub>Y</sub> B	179, 51, 51
Decimal	11744051
CIE Lab	41.52, 51.31, 30.48
CIE LCh	42, 59.677, 30.710
Yxy	12.1904, 0.5510, 0.3297
Android (android.graphics.Color)	4289934131 (0xFFB33333)
YUV	89.2720, -18.8681, 78.6915
Hunter-Lab	34.9147, 43.0491, 16.9494

# Details

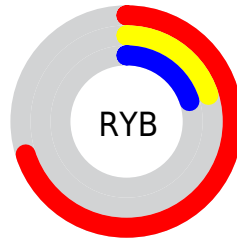
The Hex color **B33333** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **33B3B3**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **F16A62**, and **770007** is the 20% darker color. If you saturate the color by 10%, you get **B32121**, and if you desaturate by 10%, it is **B34545**.

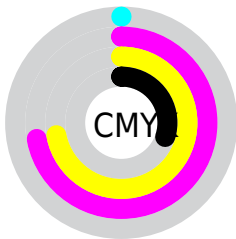
# Distribution



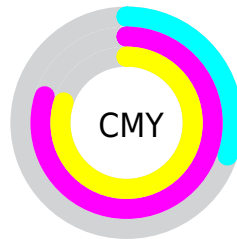
- Red (70%)
- Green (20%)
- Blue (20%)



- Red (70%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (72%)
- Yellow (72%)
- Black (30%)



- Cyan (30%)
- Magenta (80%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B33333 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 B33333 by changing the saturation by 10% instead.



 B33333

 B33333

FFFFFF

 95121E

 F16A62

 770007

 FF857B

 590000

 FFA195

 3E0002

 FFBD AF

 1C0001

 FFDACB

 000000

 FFF7E7

 B33333

 B33333

 B32121

 B34545

 B30F0F

 B35757

 B30000

 B36969

 B37B7B

 B38D8D

 B39E9E

 B3B0B0

 B3C2C2

 B3D4D4

# Harmonies

## Analogous

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



B62663



B33333



9B4C00

# Triad

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



B33333



00742E



0068C5

# Complementary

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



B33333



33B3B3

# 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.



0073B8



B33333



007762

# Square

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



B33333



446D00



007793



5E54B7

# Rectangle

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



B33333



845A00



007793



006CC4



# Sweetspot

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



B33333



E8B7B7



B333B3



755858



F5F5F5



757575



# Same Dimension

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



B33333



E82020



B37333



595050



990000



1A0000



# Inverse Universe

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



33B3B3



20E8E8



3373B3



505959



009999



001A1A



# Previews

## White Background



This preview shows how the Hex color B33333 looks on a white background.

## Color Contrast Check

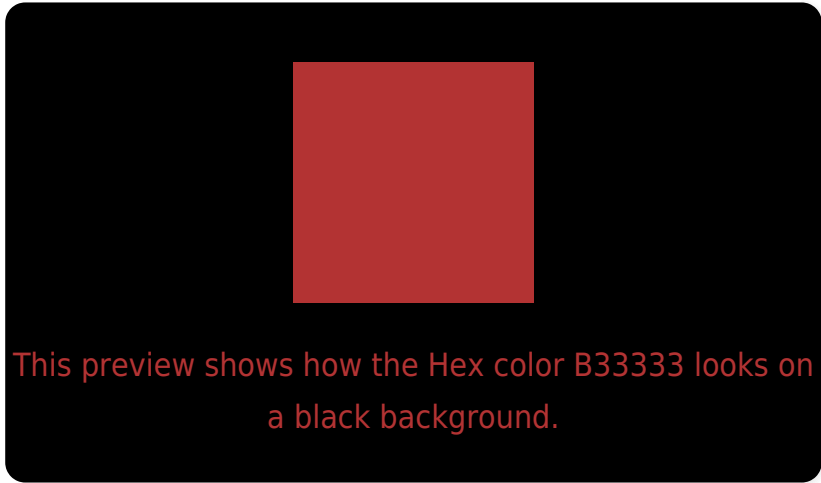
Large Text (above 18pt) WCAG AA ✓ Pass

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 B33333 Background



This preview shows how black text looks on a background with the Hex color B33333.



This preview shows how white text looks on a background with the Hex color B33333.

# 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**  
B33333

**Protanopia**  
6B6344

**Deuteranopia**  
7B5E2B



**Tritanopia**  
B33335

# Trichromacy



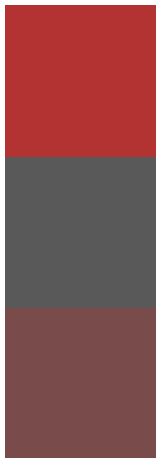
**Original Color**  
B33333

**Protanomaly**  
8523E

**Deuteranomaly**  
8F4E2E

**Tritanomaly**  
B33334

# Monochromacy



**Original Color**  
B33333

**Achromatopsia**  
595959

**Achromatomaly**  
7A4B4B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B33333 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 #B33333 looks like.

```
.text, #text, p{  
    color:#B33333  
}
```

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 #B33333 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B33333
}
```

## Border

The CSS property to change the border of an element to Hex B33333 is called "border". The border property can be set on classes, ids or directly on the HTML element.

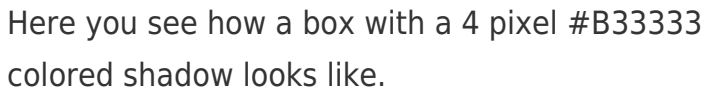
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B33333 }
```

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

```
.border{ border-color:#B33333 }
```

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



Here you see how a box with a 4 pixel #B33333 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B33333; -webkit-box-shadow:4px 4px  
4px 4px #B33333; box-shadow:4px 4px 4px  
4px #B33333 }
```

# Background

The CSS property to change the background color of an element to Hex B33333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B33333 }
```

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

```
.background{ background-color:#B33333 }
```

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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