Converting Colors

RGB(189, 19, 19)

Have a look what the booklet for RGB(189, 19, 19) contains.

RGB(189, 19, 19) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 11
- ***Previews*** 23
- ***Color Blindness Simulation*** 26
- ***CSS Examples*** 29

Color

RGB(189, 19, 19)

Conversions

Conversions Part 1

Format	Color
Hex	BD1313
RGB	189, 19, 19
RGB Percent	74%, 7%, 7%
CMY	0.2588, 0.9255, 0.9255
CMYK	0.00, 0.90, 0.90, 0.26
HSL	0°, 82%, 41%
HSV	0°, 90%, 74%
XYZ	21.3367, 11.3316, 1.6787
YIQ	69.8300, 101.3200, 36.0400

Conversions

Conversions Part 2

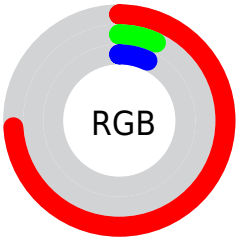
Format	Color
RYB	189, 19, 19
Decimal	12391187
CIELab	40.13, 61.92, 47.00
CIELCh	40, 77.743, 37.201
Yxy	11.3316, 0.6212, 0.3299
Android (android.graphics.Color)	4290581267 (0xFFBD1313)
YUV	69.8300, -25.0592, 104.5121
Hunter-Lab	33.6624, 54.2317, 20.6069

Details

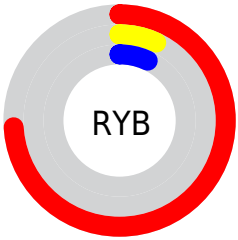
The RGB color 189, 19, 19 is a dark color, and the websafe version is hex 990000. A complement of this color would be 19, 189, 189, and the grayscale version is 70, 70, 70.

A 20% lighter version of the original color is 254, 87, 65, and 126, 0, 0 is the 20% darker color. If you saturate the color by 10%, you get 189, 0, 0, and if you desaturate by 10%, it is 189, 38, 38.

Distribution

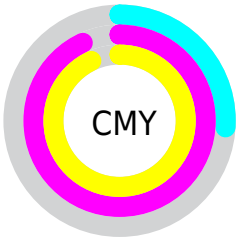


- Red (74%)
- Green (7%)
- Blue (7%)



- Red (74%)
- Yellow (7%)
- Blue (7%)

- Cyan (0%)
- Magenta (90%)
- Yellow (90%)
- Black (26%)



- Cyan (26%)
- Magenta (93%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the RGB color 189, 19, 19 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 RGB color 189, 19, 19 by changing the saturation by 10% instead.

189, 19, 19	189, 19, 19
255, 255, 252	157, 0, 0
254, 87, 65	126, 0, 0
255, 116, 90	95, 0, 0
255, 145, 115	67, 0, 3
255, 173, 141	33, 0, 1
255, 202, 167	0, 0, 0
255, 232, 195	
255, 255, 223	

189, 19, 19	189, 19, 19

189, 0, 0

189, 0, 0

189, 38, 38

189, 57, 57

189, 76, 76

189, 95, 95

189, 114, 114

189, 132, 132

189, 151, 151

189, 170, 170

189, 189, 189

Harmonies

Analogous

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

201, 0, 83

189, 19, 19

154, 72, 0

Triad

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

189, 19, 19

0, 117, 40

0, 99, 223

Complementary

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

189, 19, 19

19, 189, 189

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.

0, 114, 213

189, 19, 19

0, 120, 109

Square

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

189, 19, 19

18, 111, 0

0, 120, 171

108, 68, 198

Rectangle

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

189, 19, 19

121, 90, 0

0, 120, 171

0, 106, 224

Sweetspot

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

189, 19, 19

245, 179, 179

189, 19, 189

122, 83, 83

250, 250, 250

122, 122, 122

Same Dimension

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

189, 19, 19

245, 0, 0

189, 104, 19

94, 85, 85

158, 0, 0

31, 0, 0

Inverse Universe

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

19, 189, 189

0, 245, 245

19, 104, 189

85, 94, 94

0, 158, 158

0, 31, 31

Previews

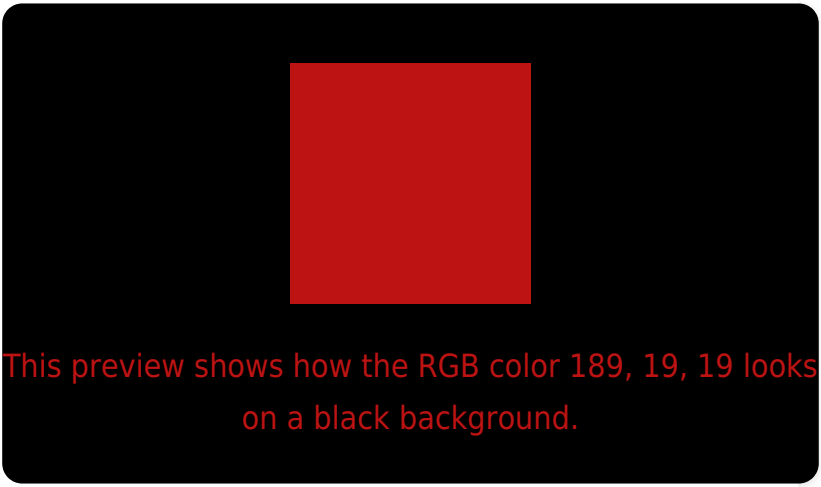
White Background

This preview shows how the RGB color 189, 19, 19 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

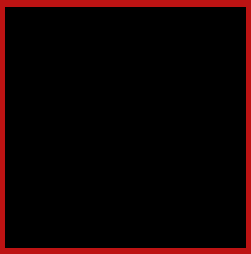


Color Contrast Check

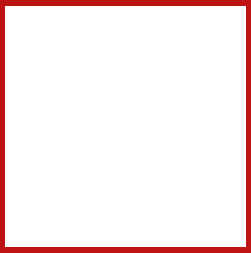
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 189, 19, 19 Background



This preview shows how black text looks on a background with the RGB color 189, 19, 19.

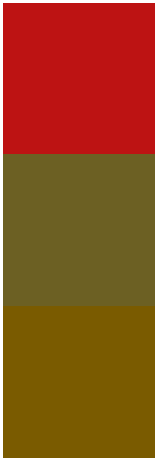


This preview shows how white text looks on a background with the RGB color 189, 19, 19.

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



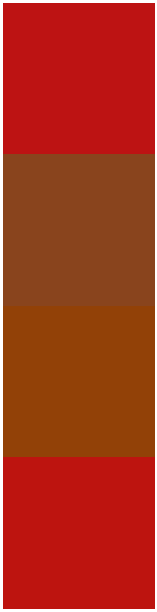
Original Color
189, 19, 19

Protanopia
108, 96, 35

Deuteranopia
122, 91, 0

Tritanopia
189, 20, 13

Trichromacy



Original Color
189, 19, 19

Protanomaly
137, 68, 29

Deuteranomaly
146, 65, 7

Tritanomaly
189, 20, 15

Monochromacy

Original Color
189, 19, 19

Achromatopsia
70, 70, 70

Achromatomaly
113, 51, 51

CSS Examples

Text

The CSS property to change the color of the text to RGB 189, 19, 19 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 rgb(189, 19, 19) looks like.

```
.text, #text, p{
    color:rgb(189, 19, 19)
}
```

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 rgb(189, 19, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 19, 19) }
```

Border

The CSS property to change the border of an element to RGB 189, 19, 19 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 rgb(189, 19, 19) }
```

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

```
.border{ border-color:rgb(189, 19, 19) }
```

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

Here you see how a box with a 4 pixel rgb(189, 19, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 19, 19); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 19, 19); box-shadow:4px 4px 4px 4px rgb(189, 19, 19) }
```

Background

The CSS property to change the background color of an element to RGB 189, 19, 19 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(189, 19, 19) }
```

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

```
.background{ background-color:rgb(189, 19,
19) }
```

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