

Converting Colors

`RYB(151, 31, 31)`

Have a look what the booklet for
RYB(151, 31, 31) contains.

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Color

R_YB(151, 31, 31)

Conversions

Conversions Part 1

Format	Color
Hex	971F1F
RGB	151, 31, 31
RGB Percent	59%, 12%, 12%
CMY	0.4078, 0.8784, 0.8784
CMYK	0.00, 0.79, 0.79, 0.41
HSL	0°, 66%, 36%
HSV	0°, 79%, 59%
XYZ	13.4998, 7.6582, 2.0630
YIQ	66.8800, 71.5200, 25.4400

Conversions

Conversions Part 2

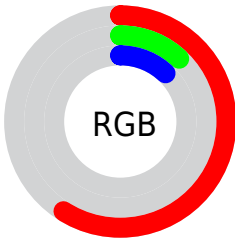
Format	Color
RYB	151, 31, 31
Decimal	9903903
CIELab	33.26, 48.54, 31.61
CIELCh	33, 57.931, 33.074
Yxy	7.6582, 0.5814, 0.3298
Android (android.graphics.Color)	4288093983 (0xFF971F1F)
YUV	66.8800, -17.6888, 73.7732
Hunter-Lab	27.6735, 38.6482, 14.9515

Details

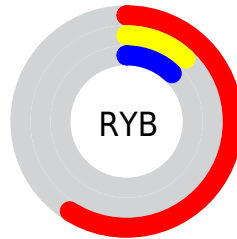
The RYB color **151, 31, 31** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **31, 91, 151**, and the grayscale version is **67, 67, 67**.

A 20% lighter version of the original color is **212, 88, 76**, and **92, 0, 0** is the 20% darker color. If you saturate the color by 10%, you get **151, 16, 16**, and if you desaturate by 10%, it is **151, 46, 46**.

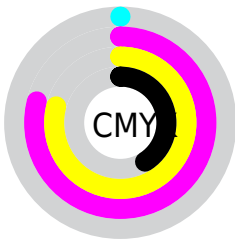
Distribution



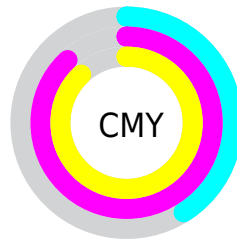
- Red (59%)
- Green (12%)
- Blue (12%)



- Red (59%)
- Yellow (12%)
- Blue (12%)



- Cyan (0%)
- Magenta (79%)
- Yellow (79%)
- Black (41%)



- Cyan (41%)
- Magenta (88%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the RYB color 151, 31, 31 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 RYB color 151, 31, 31 by changing the saturation by 10% instead.

 151, 31, 31

 151, 31, 31

255, 255, 255

 121, 0, 9

 212, 88, 76

 92, 0, 0

 243, 116, 100

 64, 0, 1

 255, 143, 125

 33, 0, 1

 255, 171, 151


 0, 0, 0

 255, 203, 178

 255, 238, 205

 233, 255, 233

 151, 31, 31

 151, 31, 31

■ 151, 16, 16

■ 151, 46, 46

■ 151, 1, 1

■ 151, 61, 61

■ 151, 0, 0

■ 151, 76, 76

■ 151, 91, 91

■ 151, 106, 106

■ 151, 122, 122

■ 151, 137, 137

■ 151, 152, 152

■ 151, 159, 167

Harmonies

Analogous

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



156, 5, 76



151, 31, 31



128, 109, 0

Triad

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



151, 31, 31



0, 71, 95



0, 56, 171

Complementary

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



151, 31, 31



31, 91, 151

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, 59, 160



151, 31, 31



0, 53, 97

Square

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



151, 31, 31



0, 89, 46



0, 55, 127



79, 63, 156

Rectangle

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



151, 31, 31



46, 105, 0



0, 55, 127



0, 58, 170

Sweetspot

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



151, 31, 31



196, 149, 149



151, 31, 151



99, 71, 71



227, 227, 227



99, 99, 99

Same Dimension

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



151, 31, 31



196, 10, 10



151, 151, 31



77, 69, 69



140, 0, 0



13, 0, 0

Inverse Universe

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



31, 91, 151



10, 103, 196



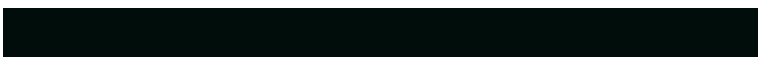
31, 71, 151



69, 73, 77



0, 70, 140



0, 7, 13

Previews

White Background



This preview shows how the RYB color 151, 31, 31 looks on a white background.

Color Contrast Check

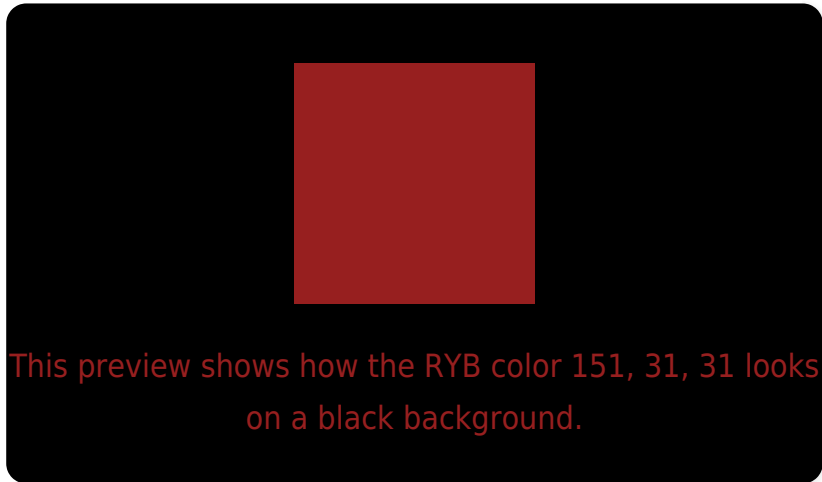
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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](#).

RYB 151, 31, 31 Background



This preview shows how black text looks on a background with the RYB color 151, 31, 31.



This preview shows how white text looks on a background with the RYB color 151, 31, 31.

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
151, 31, 31

Protanopia
55, 88, 45

Deuteranopia
55, 100, 21



Tritanopia
151, 31, 31

Trichromacy



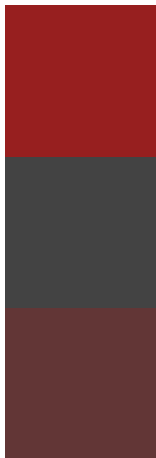
Original Color
151, 31, 31

Protanomaly
111, 72, 40

Deuteranomaly
119, 81, 25

Tritanomaly
151, 31, 31

Monochromacy



Original Color
151, 31, 31

Achromatopsia
67, 67, 67

Achromatomaly
98, 54, 54

CSS Examples

Text

The CSS property to change the color of the text to RYB 151, 31, 31 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(151, 31, 31)` looks like.

```
.text, #text, p{  
    color:rgb(151, 31, 31)  
}
```

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(151, 31, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 31, 31) }
```

Border

The CSS property to change the border of an element to RYB 151, 31, 31 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(151, 31, 31) }
```

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

```
.border{ border-color:rgb(151, 31, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 31, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 31, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 31, 31);  
box-shadow:4px 4px 4px 4px rgb(151, 31,  
31) }
```

Background

The CSS property to change the background color of an element to RYB 151, 31, 31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 31, 31) }
```

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

```
.background{ background-color: rgb(151, 31,  
31) }
```

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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