

Converting Colors

`RYB(202, 72, 31)`

Have a look what the booklet for
RYB(202, 72, 31) contains.

RYB(202, 72, 31)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(202, 72, 31)

Conversions

Conversions Part 1

Format	Color
Hex	CA401F
RGB	202, 64, 31
RGB Percent	79%, 25%, 12%
CMY	0.2078, 0.7487, 0.8784
CMYK	0.00, 0.68, 0.85, 0.21
HSL	12°, 73%, 46%
HSV	12°, 85%, 79%
XYZ	26.4418, 16.3303, 3.0547
YIQ	101.5000, 92.8410, 18.9930

Conversions

Conversions Part 2

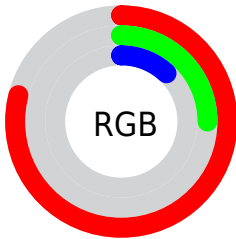
Format	Color
RYB	202, 72, 31
Decimal	13254687
CIELab	47.40, 53.11, 48.55
CIElCh	47, 71.952, 42.432
Yxy	16.3303, 0.5770, 0.3563
Android (android.graphics.Color)	4291444767 (0xFFCA401F)
YUV	101.5000, -34.7565, 88.1385
Hunter-Lab	40.4107, 46.0786, 23.8056

Details

The RYB color **202, 72, 31** 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 **31, 107, 202**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **255, 131, 79**, and **140, 0, 0** is the 20% darker color. If you saturate the color by 10%, you get **202, 57, 11**, and if you desaturate by 10%, it is **202, 87, 51**.

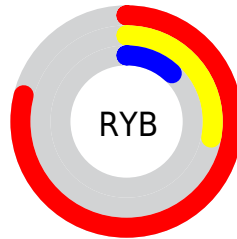
Distribution



Red (79%)

Green (25%)

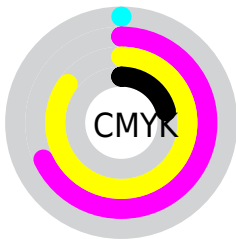
Blue (12%)



Red (79%)

Yellow (28%)

Blue (12%)

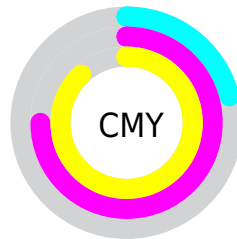


Cyan (0%)

Magenta (68%)

Yellow (85%)

Black (21%)



Cyan (21%)


Magenta (75%)


Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 72, 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 202, 72, 31 by changing the saturation by 10% instead.

 202, 72, 31  202, 72, 31

255, 255, 255  171, 40, 5

 255, 131, 79  140, 0, 0

 255, 164, 104  109, 0, 0

 255, 200, 130  79, 0, 0

 255, 245, 156  51, 0, 2

 217, 255, 183  0, 0, 0

 211, 255, 211

 240, 255, 240

 202, 72, 31  202, 72, 31

■ 202, 57, 11

■ 202, 87, 51

■ 202, 48, 0

■ 202, 103, 71

■ 202, 118, 92

■ 202, 133, 112

■ 202, 150, 132

■ 202, 165, 152

■ 202, 180, 172

■ 202, 194, 193

■ 202, 207, 213

Harmonies

Analogous

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



217, 29, 90



202, 72, 31



119, 165, 0

Triad

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



202, 72, 31



0, 88, 136



0, 76, 232

Complementary

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



202, 72, 31



31, 107, 202

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, 83, 229



202, 72, 31



0, 69, 138

Square

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



202, 72, 31



0, 130, 95



0, 80, 194



144, 82, 203

Rectangle

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



202, 72, 31



24, 132, 0



0, 80, 194



0, 79, 235

Sweetspot

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



202, 72, 31



255, 207, 191



202, 31, 171



128, 99, 89



0, 0, 0



128, 128, 128

Same Dimension

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



202, 72, 31



255, 61, 0



110, 202, 31



102, 95, 92



166, 40, 0



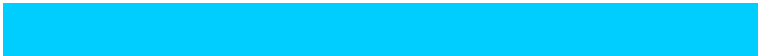
38, 9, 0

Inverse Universe

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



31, 107, 202



0, 114, 255



31, 72, 202



92, 96, 102



0, 74, 166



0, 17, 38

Previews

White Background



This preview shows how the RYB color 202, 72, 31 looks on a white background.

Color Contrast Check

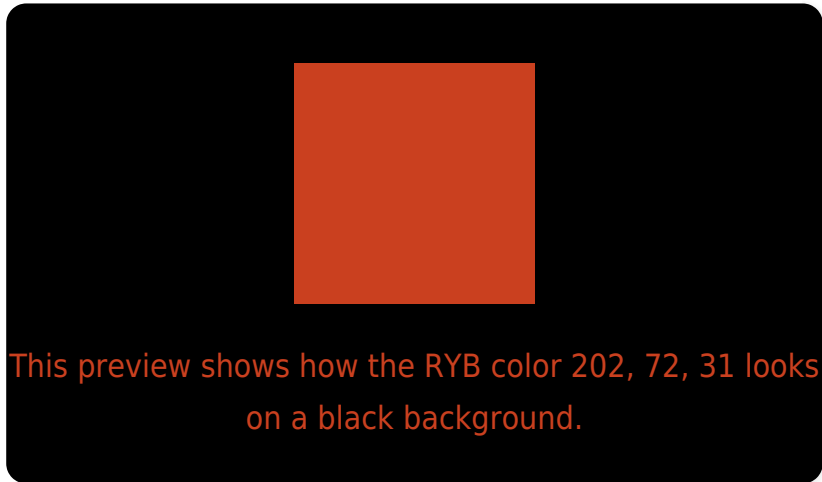
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × 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](#).

R Y B 202, 72, 31 Background



This preview shows how black text looks on a background with the R Y B color 202, 72, 31.



This preview shows how white text looks on a background with the R Y B color 202, 72, 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
202, 72, 31

Protanopia
59, 126, 44

Deuteranopia
59, 143, 10



Tritanopia
203, 61, 63

Trichromacy



Original Color

202, 72, 31

Protanomaly

154, 148, 39

Deuteranomaly

164, 164, 18

Tritanomaly

203, 63, 51

Monochromacy



Original Color

202, 72, 31

Achromatopsia

102, 102, 102

Achromatomaly

138, 91, 76

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 72, 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(202, 64, 31)` looks like.

```
.text, #text, p{  
    color:rgb(202, 64, 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(202, 64, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 64, 31) }
```

Border

The CSS property to change the border of an element to RYB 202, 72, 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(202, 64, 31) }
```

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

```
.border{ border-color:rgb(202, 64, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 64, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 64, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 64, 31);  
box-shadow:4px 4px 4px 4px rgb(202, 64,  
31) }
```

Background

The CSS property to change the background color of an element to RGB 202, 64, 31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 64, 31) }
```

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

```
.background{ background-color: rgb(202, 64,  
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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