

Converting Colors

`RYB(191, 57, 172)`

Have a look what the booklet for
RYB(191, 57, 172) contains.

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Color

`RYB(191, 57, 172)`

Conversions

Conversions Part 1	
Format	Color
Hex	BF39AC
RGB	191, 57, 172
RGB Percent	75%, 22%, 67%
CMY	0.2510, 0.7765, 0.3255
CMYK	0.00, 0.70, 0.10, 0.25
HSL	309°, 54%, 49%
HSV	309°, 70%, 75%
XYZ	30.3954, 16.9812, 40.7054
YIQ	110.1760, 42.9490, 64.1730

Conversions

Conversions Part 2

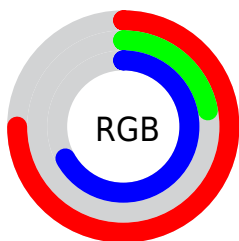
Format	Color
RYB	191, 57, 172
Decimal	12532140
CIELab	48.24, 65.04, -33.32
CIELCh	48, 73.081, 332.871
Yxy	16.9812, 0.3451, 0.1928
Android (android.graphics.Color)	4290722220 (0xFFBF39AC)
YUV	110.1760, 30.4792, 70.8826
Hunter-Lab	41.2082, 59.5480, -29.7208

Details

The RYB color **191, 57, 172** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **57, 174, 191**, and the grayscale version is **110, 110, 110**.

A 20% lighter version of the original color is **250, 115, 228**, and **134, 0, 119** is the 20% darker color. If you saturate the color by 10%, you get **191, 38, 169**, and if you desaturate by 10%, it is **191, 76, 175**.

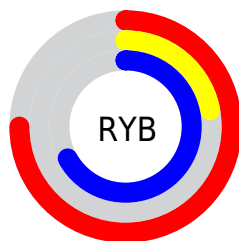
Distribution



Red (75%)

Green (22%)

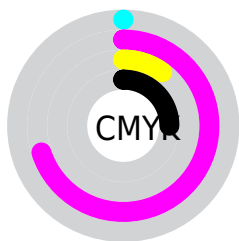
Blue (67%)



Red (75%)

Yellow (22%)

Blue (67%)

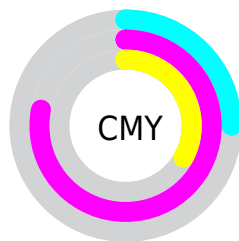


Cyan (0%)

Magenta (70%)

Yellow (10%)

Black (25%)



Cyan (25%)

Magenta (78%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 191, 57, 172 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 191, 57, 172 by changing the saturation by 10% instead.



191, 57, 172



191, 57, 172

255, 255, 255



162, 19, 145



250, 115, 228



134, 0, 119



255, 144, 255



106, 0, 94



255, 172, 255



79, 0, 70



255, 201, 255



54, 0, 47



255, 230, 255



20, 0, 25



0, 0, 0



191, 57, 172




191, 57, 172





191, 38, 169





191, 76, 175


 191, 19, 167


 191, 95, 177


 191, 0, 164

 191, 114, 180

 191, 133, 183

 191, 153, 186

 191, 172, 188

 191, 191, 191

 191, 207, 210

 191, 225, 229

Harmonies

Analogous

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



116, 95, 220



191, 57, 172



219, 25, 111

Triad

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



191, 57, 172



24, 134, 0



0, 79, 180

Complementary

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



191, 57, 172



57, 174, 191

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, 76, 141



191, 57, 172



0, 129, 60

Square

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



191, 57, 172



182, 174, 0



0, 99, 137



0, 84, 225

Rectangle

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



191, 57, 172



219, 40, 71



0, 99, 137



0, 75, 161

Sweetspot

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



191, 57, 172



247, 195, 240



75, 57, 191



125, 94, 121



252, 252, 252



125, 125, 125

Same Dimension

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



191, 57, 172



247, 40, 218



191, 57, 106



94, 85, 93



158, 0, 136



31, 0, 26

Inverse Universe

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



191, 57, 172



247, 40, 218



57, 139, 191



94, 85, 93



158, 0, 136



31, 0, 26

Previews

White Background



This preview shows how the RYB color 191, 57, 172 looks on a white background.

Color Contrast Check

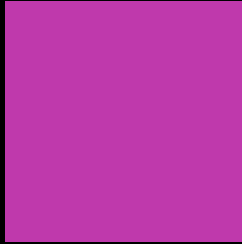
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 191, 57, 172 looks on a 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](#).

RYB 191, 57, 172 Background



This preview shows how black text looks on a background with the RYB color 191, 57, 172.



This preview shows how white text looks on a background with the RYB color 191, 57, 172.

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

191, 57, 172

Protanopia

54, 97, 220

Deuteranopia

97, 111, 163



Tritanopia

183, 83, 89

Trichromacy



Original Color

191, 57, 172



Protanomaly

104, 92, 203



Deuteranomaly

131, 93, 166



Tritanomaly

186, 74, 119

Monochromacy



Original Color

191, 57, 172



Achromatopsia

110, 110, 110



Achromatomaly

139, 91, 133

CSS Examples

Text

The CSS property to change the color of the text to RGB 191, 57, 172 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(191, 57, 172) looks like.

```
.text, #text, p{  
    color:rgb(191, 57, 172)  
}
```

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(191, 57, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 57, 172) }
```

Border

The CSS property to change the border of an element to RYB 191, 57, 172 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(191, 57, 172) }
```

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

```
.border{ border-color:rgb(191, 57, 172) }
```

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

Here you see how a box with a 4 pixel rgb(191, 57, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 57, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 57, 172);  
box-shadow:4px 4px 4px 4px rgb(191, 57,  
172) }
```

Background

The CSS property to change the background color of an element to RGB 191, 57, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 57, 172) }
```

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

```
.background{ background-color: rgb(191, 57,  
172) }
```

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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