

Converting Colors

`RYB(202, 63, 171)`

Have a look what the booklet for
RYB(202, 63, 171) contains.

RYB(202, 63, 171)	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

R_YB(202, 63, 171)

Conversions

Conversions Part 1

Format	Color
Hex	CA3FAB
RGB	202, 63, 171
RGB Percent	79%, 25%, 67%
CMY	0.2078, 0.7529, 0.3294
CMYK	0.00, 0.69, 0.15, 0.21
HSL	313°, 57%, 52%
HSV	313°, 69%, 79%
XYZ	33.4853, 19.0518, 40.4406
YIQ	116.8730, 48.1760, 63.0560

Conversions

Conversions Part 2

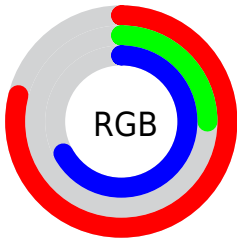
Format	Color
R_{YB}	202, 63, 171
Decimal	13254571
CIE _{Lab}	50.75, 65.43, -28.68
CIE _{LCh}	51, 71.440, 336.330
Yxy	19.0518, 0.3601, 0.2049
Android (android.graphics.Color)	4291444651 (0xFFCA3FAB)
YUV	116.8730, 26.6846, 74.6564
Hunter-Lab	43.6484, 60.5533, -24.3787

Details

The RYB color **202, 63, 171** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **63, 177, 202**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **255, 121, 227**, and **144, 0, 118** is the 20% darker color. If you saturate the color by 10%, you get **202, 43, 166**, and if you desaturate by 10%, it is **202, 83, 176**.

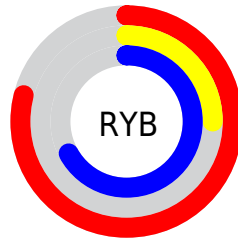
Distribution



Red (79%)

Green (25%)

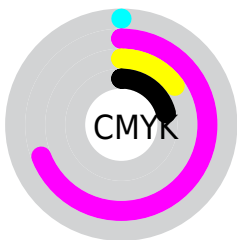
Blue (67%)



Red (79%)

Yellow (25%)

Blue (67%)

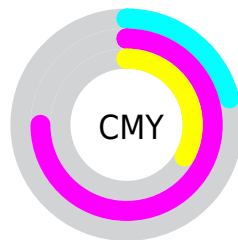


Cyan (0%)

Magenta (69%)

Yellow (15%)

Black (21%)



Cyan (21%)


Magenta (75%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 63, 171 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, 63, 171 by changing the saturation by 10% instead.

 202, 63, 171

255, 255, 255

 255, 121, 227

 255, 150, 255

 255, 178, 255

 255, 207, 255

 255, 237, 255

 202, 63, 171

 173, 28, 144

 144, 0, 118

 116, 0, 93

 88, 0, 69

 63, 0, 47

 34, 0, 25

 0, 0, 0

 202, 63, 171

 202, 43, 166

 202, 63, 171

 202, 83, 176

■ 202, 23, 162

■ 202, 103, 180

■ 202, 2, 157

■ 202, 124, 185

■ 202, 0, 157

■ 202, 144, 189

■ 202, 164, 194

■ 202, 184, 198

■ 202, 203, 204

■ 202, 221, 225

■ 202, 237, 245

Harmonies

Analogous

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



135, 98, 220



202, 63, 171



226, 43, 111

Triad

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



202, 63, 171



13, 135, 0



0, 83, 192

Complementary

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



202, 63, 171



63, 177, 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, 77, 147



202, 63, 171



0, 137, 69

Square

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



202, 63, 171



158, 184, 0



0, 98, 144



0, 87, 233

Rectangle

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



202, 63, 171



223, 56, 71



0, 98, 144



0, 80, 174

Sweetspot

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



202, 63, 171



255, 201, 243



93, 63, 202



128, 96, 120



0, 0, 0



128, 128, 128

Same Dimension

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



202, 63, 171



255, 43, 208



202, 63, 102



102, 92, 100



166, 0, 129



38, 0, 30

Inverse Universe

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



202, 63, 171



255, 43, 208



63, 144, 202



102, 92, 100



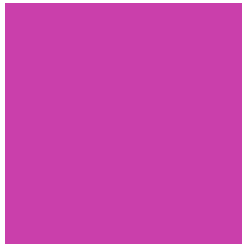
166, 0, 129



38, 0, 30

Previews

White Background



This preview shows how the RYB color 202, 63, 171 looks on a white background.

Color Contrast Check

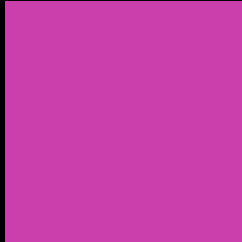
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 202, 63, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

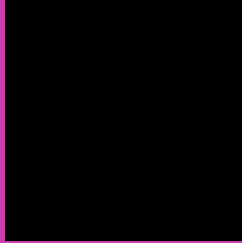
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 202, 63, 171 Background



This preview shows how black text looks on a background with the RYB color 202, 63, 171.

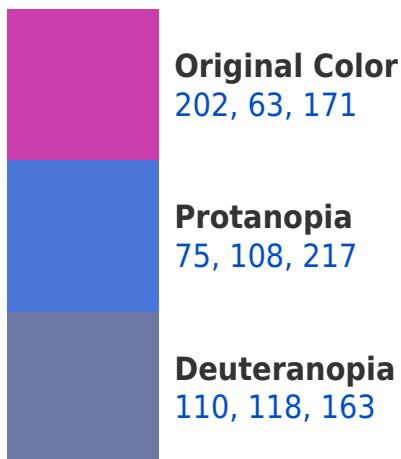


This preview shows how white text looks on a background with the RYB color 202, 63, 171.

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





Tritanopia
194, 86, 92

Trichromacy



Original Color

202, 63, 171



Protanomaly

121, 98, 200



Deuteranomaly

143, 99, 166



Tritanomaly

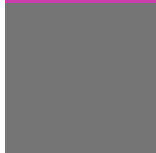
197, 78, 121

Monochromacy



Original Color

202, 63, 171



Achromatopsia

117, 117, 117



Achromatomaly

148, 97, 137

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 63, 171 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, 63, 171) looks like.

```
.text, #text, p{  
    color:rgb(202, 63, 171)  
}
```

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, 63, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 63, 171) }
```

Border

The CSS property to change the border of an element to RYB 202, 63, 171 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, 63, 171) }
```

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

```
.border{ border-color:rgb(202, 63, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 63, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 63, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 63, 171);  
box-shadow:4px 4px 4px 4px rgb(202, 63,  
171) }
```

Background

The CSS property to change the background color of an element to RGB 202, 63, 171 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 63, 171) }
```

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

```
.background{ background-color: rgb(202, 63,  
171) }
```

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