

Converting Colors

`RYB(211, 63, 199)`

Have a look what the booklet for
RYB(211, 63, 199) contains.

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Color

R_YB(211, 63, 199)

Conversions

Conversions Part 1

Format	Color
Hex	D33FC7
RGB	211, 63, 199
RGB Percent	83%, 25%, 78%
CMY	0.1725, 0.7529, 0.2196
CMYK	0.00, 0.70, 0.06, 0.17
HSL	305°, 63%, 54%
HSV	305°, 70%, 83%
XYZ	38.9503, 21.5274, 56.1351
YIQ	122.7560, 44.5520, 73.6720

Conversions

Conversions Part 2

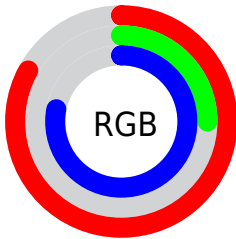
Format	Color
R _{YB}	211, 63, 199
Decimal	13844423
CIE _{Lab}	53.52, 71.72, -40.50
CIE _{LCh}	54, 82.371, 330.546
Yxy	21.5274, 0.3340, 0.1846
Android (android.graphics.Color)	4292034503 (0xFFD33FC7)
YUV	122.7560, 37.5883, 77.3900
Hunter-Lab	46.3976, 68.6528, -39.2548

Details

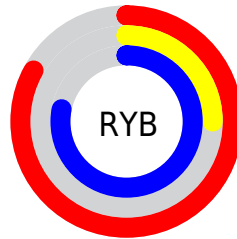
The RYB color **211, 63, 199** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **63, 200, 211**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **255, 123, 255**, and **153, 0, 144** is the 20% darker color. If you saturate the color by 10%, you get **211, 42, 197**, and if you desaturate by 10%, it is **211, 84, 201**.

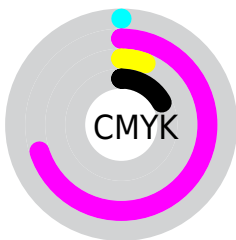
Distribution



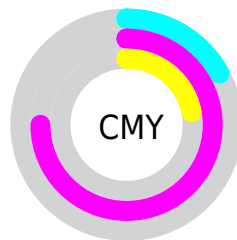
- Red (83%)
- Green (25%)
- Blue (78%)



- Red (83%)
- Yellow (25%)
- Blue (78%)



- Cyan (0%)
- Magenta (70%)
- Yellow (6%)
- Black (17%)





- Cyan (17%)
- Magenta (75%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 211, 63, 199 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 211, 63, 199 by changing the saturation by 10% instead.

 211, 63, 199

 211, 63, 199


255, 255, 255

 182, 24, 171

 255, 123, 255

 153, 0, 144

 255, 152, 255

 124, 0, 118

 255, 181, 255

 96, 0, 93

 255, 210, 255


 69, 0, 69

 255, 240, 255

 42, 0, 46

 0, 1, 24

 0, 0, 0

 211, 63, 199

 211, 63, 199

■ 211, 42, 197

■ 211, 84, 201

■ 211, 21, 196

■ 211, 105, 202

■ 211, 0, 194

■ 211, 126, 204

■ 211, 147, 206

■ 211, 169, 208

■ 211, 190, 209

■ 211, 211, 211

■ 211, 230, 232

■ 211, 250, 253

Harmonies

Analogous

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



117, 108, 252



211, 63, 199



247, 8, 130

Triad

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



211, 63, 199



34, 154, 0



0, 88, 199

Complementary

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



211, 63, 199



63, 200, 211

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, 87, 157



211, 63, 199



0, 144, 63

Square

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



211, 63, 199



208, 175, 0



0, 115, 153



0, 95, 252

Rectangle

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



211, 63, 199



248, 31, 83



0, 115, 153



0, 83, 176

Sweetspot

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



211, 63, 199



255, 201, 251



73, 63, 211



128, 96, 125



0, 0, 0



128, 128, 128

Same Dimension

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



211, 63, 199



255, 41, 238



211, 63, 127



105, 94, 104



168, 0, 155



41, 0, 37

Inverse Universe

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



211, 63, 199



255, 41, 238



63, 157, 211



105, 94, 104



168, 0, 155



41, 0, 37

Previews

White Background



This preview shows how the RYB color 211, 63, 199 looks on a white background.

Color Contrast Check

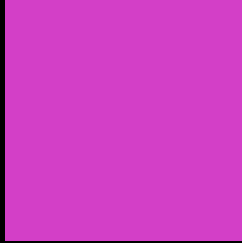
Large Text (above 18pt) WCAG AA ✓ Pass

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 211, 63, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

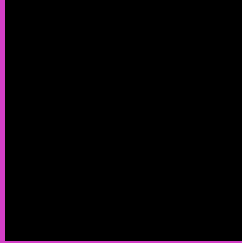
Any Text WCAG AA ✓ Pass

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 211, 63, 199 Background



This preview shows how black text looks on a background with the RYB color 211, 63, 199.

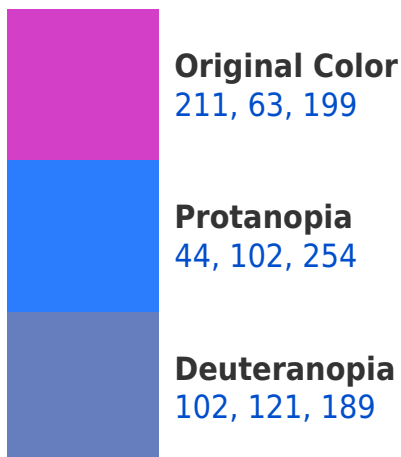



This preview shows how white text looks on a background with the RYB color 211, 63, 199.

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
201, 95, 101

Trichromacy



Original Color

211, 63, 199



Protanomaly

105, 102, 234



Deuteranomaly

142, 104, 193



Tritanomaly

205, 83, 137

Monochromacy



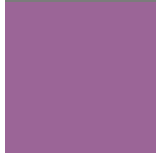
Original Color

211, 63, 199



Achromatopsia

123, 123, 123



Achromatomaly

155, 101, 151

CSS Examples

Text

The CSS property to change the color of the text to RYB 211, 63, 199 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(211, 63, 199) looks like.

```
.text, #text, p{  
    color:rgb(211, 63, 199)  
}
```

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(211, 63, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 63, 199) }
```

Border

The CSS property to change the border of an element to RYB 211, 63, 199 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(211, 63, 199) }
```

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

```
.border{ border-color:rgb(211, 63, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 63, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 63, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 63, 199);  
box-shadow:4px 4px 4px 4px rgb(211, 63,  
199) }
```

Background

The CSS property to change the background color of an element to RGB 211, 63, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 63, 199) }
```

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

```
.background{ background-color: rgb(211, 63,  
199) }
```

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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