

Converting Colors

`RYB(202, 53, 187)`

Have a look what the booklet for
RYB(202, 53, 187) contains.

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Color

R_YB(202, 53, 187)

Conversions

Conversions Part 1

Format	Color
Hex	CA35BB
RGB	202, 53, 187
RGB Percent	79%, 21%, 73%
CMY	0.2078, 0.7922, 0.2667
CMYK	0.00, 0.74, 0.07, 0.21
HSL	306°, 58%, 50%
HSV	306°, 74%, 79%
XYZ	34.5999, 18.6906, 48.7977
YIQ	112.8270, 45.7900, 73.2620

Conversions

Conversions Part 2

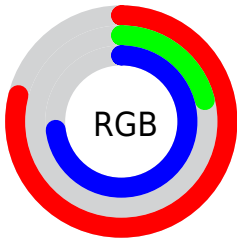
Format	Color
R_{YB}	202, 53, 187
Decimal	13252027
CIE _{Lab}	50.32, 71.14, -38.70
CIE _{LCh}	50, 80.982, 331.450
Yxy	18.6906, 0.3389, 0.1831
Android (android.graphics.Color)	4291442107 (0xFFCA35BB)
YUV	112.8270, 36.5673, 78.2047
Hunter-Lab	43.2326, 67.1996, -36.6592

Details

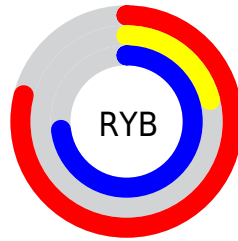
The RYB color **202, 53, 187** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted rose. A complement of this color would be **53, 188, 202**, and the grayscale version is **112, 112, 112**.

A 20% lighter version of the original color is **255, 114, 244**, and **144, 0, 133** is the 20% darker color. If you saturate the color by 10%, you get **202, 33, 185**, and if you desaturate by 10%, it is **202, 73, 189**.

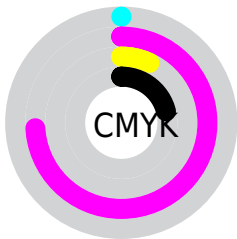
Distribution



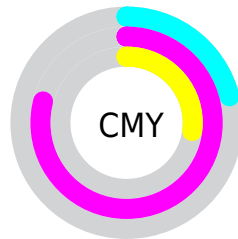
- Red (79%)
- Green (21%)
- Blue (73%)



- Red (79%)
- Yellow (21%)
- Blue (73%)



- Cyan (0%)
- Magenta (74%)
- Yellow (7%)
- Black (21%)




- Cyan (21%)
- Magenta (79%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 53, 187 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, 53, 187 by changing the saturation by 10% instead.

 202, 53, 187

 202, 53, 187

255, 255, 255

 173, 3, 160

 255, 114, 244

 144, 0, 133

 255, 143, 255

 116, 0, 107

 255, 172, 255

 88, 0, 83

 255, 201, 255

 63, 0, 59

 255, 231, 255

 33, 0, 36

 0, 0, 12

 0, 0, 0

 202, 53, 187

 202, 53, 187

■ 202, 33, 185

■ 202, 73, 189

■ 202, 13, 183

■ 202, 93, 191

■ 202, 0, 182

■ 202, 114, 193

■ 202, 134, 195

■ 202, 154, 197

■ 202, 174, 199

■ 202, 194, 201

■ 202, 214, 215

■ 202, 232, 235

Harmonies

Analogous

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



113, 99, 239



202, 53, 187



235, 0, 120

Triad

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



202, 53, 187



30, 143, 0



0, 83, 191

Complementary

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



202, 53, 187



53, 188, 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, 81, 148



202, 53, 187



0, 136, 65

Square

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



202, 53, 187



196, 163, 0



0, 109, 144



0, 90, 242

Rectangle

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



202, 53, 187



235, 19, 74



0, 109, 144



0, 79, 169

Sweetspot

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



202, 53, 187



255, 199, 249



68, 53, 202



128, 94, 124



0, 0, 0



128, 128, 128

Same Dimension

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



202, 53, 187



255, 28, 232



202, 53, 113



102, 92, 101



166, 0, 149



38, 0, 34

Inverse Universe

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



202, 53, 187



255, 28, 232



53, 146, 202



102, 92, 101



166, 0, 149



38, 0, 34

Previews

White Background



This preview shows how the RYB color 202, 53, 187 looks on a white background.

Color Contrast Check

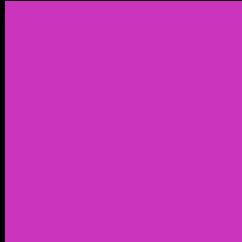
Large Text (above 18pt) WCAG AA ✓ Pass

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, 53, 187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

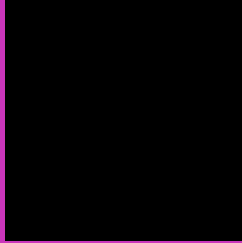
Any Text WCAG AA ✓ Pass

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, 53, 187 Background



This preview shows how black text looks on a background with the RYB color 202, 53, 187.

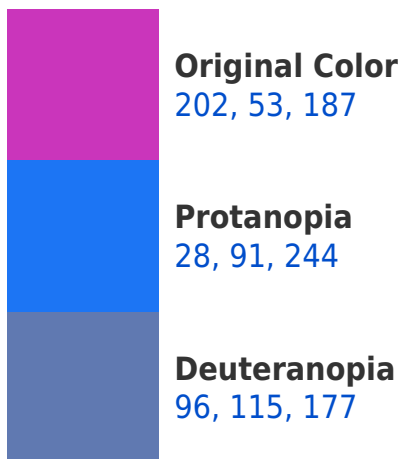


This preview shows how white text looks on a background with the RYB color 202, 53, 187.

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





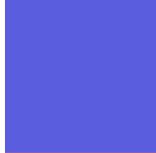
Tritanopia
192, 86, 92

Trichromacy



Original Color

202, 53, 187



Protanomaly

91, 93, 223



Deuteranomaly

135, 96, 181



Tritanomaly

196, 74, 127

Monochromacy



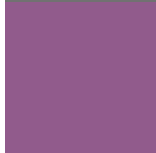
Original Color

202, 53, 187



Achromatopsia

113, 113, 113



Achromatomaly

145, 91, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 53, 187 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, 53, 187)` looks like.

```
.text, #text, p{  
    color:rgb(202, 53, 187)  
}
```

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, 53, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 53, 187) }
```

Border

The CSS property to change the border of an element to RYB 202, 53, 187 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, 53, 187) }
```

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

```
.border{ border-color:rgb(202, 53, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 53, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 53, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 53, 187);  
box-shadow:4px 4px 4px 4px rgb(202, 53,  
187) }
```

Background

The CSS property to change the background color of an element to RGB 202, 53, 187 is called "background".

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

```
.background, #background, body{  
background: rgb(202, 53, 187) }
```

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

```
.background{ background-color: rgb(202, 53,  
187) }
```

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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