

Converting Colors

`RYB(202, 53, 198)`

Have a look what the booklet for RYB(202, 53, 198) contains.

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Color

R_YB(202, 53, 198)

Conversions

Conversions Part 1

Format	Color
Hex	CA35C6
RGB	202, 53, 198
RGB Percent	79%, 21%, 78%
CMY	0.2078, 0.7922, 0.2235
CMYK	0.00, 0.74, 0.02, 0.21
HSL	302°, 58%, 50%
HSV	302°, 74%, 79%
XYZ	35.8233, 19.1800, 55.2401
YIQ	114.0810, 42.2590, 76.6830

Conversions

Conversions Part 2

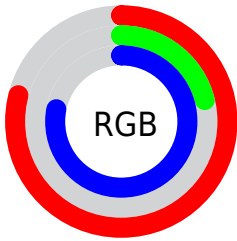
Format	Color
RYB	202, 53, 198
Decimal	13252038
CIELab	50.90, 72.82, -44.17
CIELCh	51, 85.171, 328.759
Yxy	19.1800, 0.3249, 0.1740
Android (android.graphics.Color)	4291442118 (0xFFCA35C6)
YUV	114.0810, 41.3721, 77.1050
Hunter-Lab	43.7950, 69.3677, -44.1281

Details

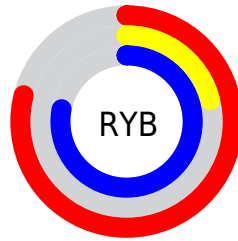
The RYB color **202, 53, 198** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **53, 198, 202**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **255, 115, 255**, and **144, 0, 143** is the 20% darker color. If you saturate the color by 10%, you get **202, 33, 197**, and if you desaturate by 10%, it is **202, 73, 199**.

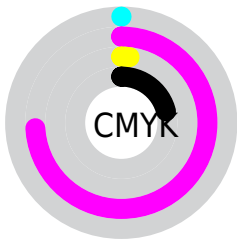
Distribution



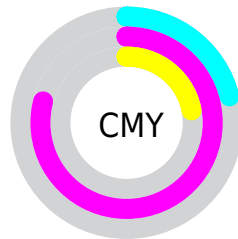
- Red (79%)
- Green (21%)
- Blue (78%)



- Red (79%)
- Yellow (21%)
- Blue (78%)



- Cyan (0%)
- Magenta (74%)
- Yellow (2%)
- Black (21%)



- Cyan (21%)
- Magenta (79%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 53, 198 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, 198 by changing the saturation by 10% instead.



202, 53, 198



202, 53, 198

255, 255, 255



173, 2, 170



255, 115, 255



144, 0, 143



255, 144, 255



115, 0, 117



255, 173, 255



87, 0, 92



255, 202, 255



62, 0, 68



255, 232, 255



32, 0, 45



0, 1, 23



0, 0, 0



202, 53, 198



202, 53, 198

■ 202, 33, 197

■ 202, 73, 199

■ 202, 13, 197

■ 202, 93, 199

■ 202, 0, 197

■ 202, 114, 200

■ 202, 134, 200

■ 202, 154, 201

■ 202, 174, 201

■ 202, 194, 202

■ 202, 215, 215

■ 202, 234, 235

Harmonies

Analogous

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



97, 103, 251



202, 53, 198



241, 0, 128

Triad

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



202, 53, 198



41, 150, 0



0, 84, 190

Complementary

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



202, 53, 198



53, 198, 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, 85, 150



202, 53, 198



0, 137, 60

Square

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



202, 53, 198



204, 143, 0



0, 118, 146



0, 92, 246

Rectangle

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



202, 53, 198



243, 0, 80



0, 118, 146



0, 79, 166

Sweetspot

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



202, 53, 198



255, 199, 253



55, 53, 202



128, 94, 127



0, 0, 0



128, 128, 128

Same Dimension

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



202, 53, 198



255, 28, 249



202, 53, 125



102, 92, 102



166, 0, 161



38, 0, 37

Inverse Universe

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



202, 53, 198



255, 28, 249



53, 151, 202



102, 92, 102



166, 0, 161



38, 0, 37

Previews

White Background



This preview shows how the RYB color 202, 53, 198 looks on a white background.

Color Contrast Check

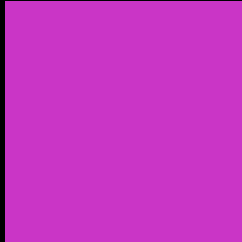
Large Text (above 18pt) WCAG AA ✓ Pass

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, 198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

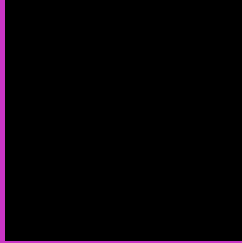
Any Text WCAG AA ✓ Pass

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, 198 Background



This preview shows how black text looks on a background with the RYB color 202, 53, 198.

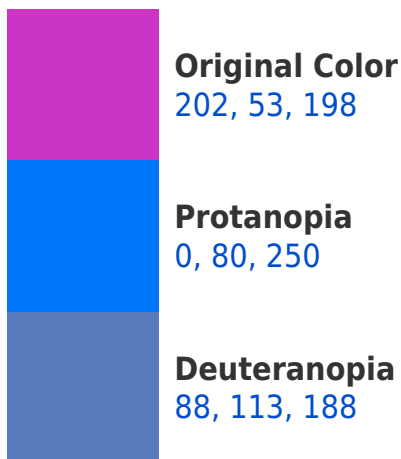


This preview shows how white text looks on a background with the RYB color 202, 53, 198.

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
191, 90, 96

Trichromacy



Original Color

202, 53, 198



Protanomaly

73, 92, 231



Deuteranomaly

129, 96, 192



Tritanomaly

195, 77, 133

Monochromacy



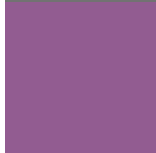
Original Color

202, 53, 198



Achromatopsia

114, 114, 114



Achromatomaly

146, 92, 145

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 53, 198 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, 198) looks like.

```
.text, #text, p{  
    color:rgb(202, 53, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 53, 198) }
```

Border

The CSS property to change the border of an element to RYB 202, 53, 198 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, 198) }
```

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

```
.border{ border-color:rgb(202, 53, 198) }
```

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, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 53, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 53, 198);  
box-shadow:4px 4px 4px 4px rgb(202, 53,  
198) }
```

Background

The CSS property to change the background color of an element to RGB 202, 53, 198 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, 198) }
```

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

```
.background{ background-color: rgb(202, 53,  
198) }
```

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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