

Converting Colors

`RYB(198, 70, 163)`

Have a look what the booklet for
RYB(198, 70, 163) contains.

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Color

`RYB(198, 70, 163)`

Conversions

Conversions Part 1

Format	Color
Hex	C646A3
RGB	198, 70, 163
RGB Percent	78%, 27%, 64%
CMY	0.2235, 0.7255, 0.3608
CMYK	0.00, 0.65, 0.18, 0.22
HSL	316°, 53%, 53%
HSV	316°, 65%, 78%
XYZ	32.0897, 19.0304, 36.6323
YIQ	118.8740, 46.4350, 56.0590

Conversions

Conversions Part 2

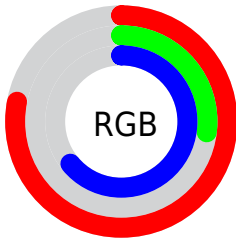
Format	Color
R_{YB}	198, 70, 163
Decimal	12994211
CIE _{Lab}	50.72, 60.56, -24.06
CIE _{LCh}	51, 65.167, 338.331
Yxy	19.0304, 0.3657, 0.2169
Android (android.graphics.Color)	4291184291 (0xFFC646A3)
YUV	118.8740, 21.7541, 69.3935
Hunter-Lab	43.6239, 54.9628, -19.2508

Details

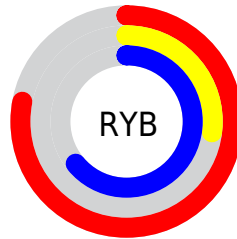
The RYB color **198, 70, 163** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **70, 171, 198**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **255, 126, 218**, and **141, 0, 111** is the 20% darker color. If you saturate the color by 10%, you get **198, 50, 158**, and if you desaturate by 10%, it is **198, 90, 168**.

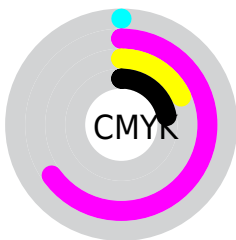
Distribution



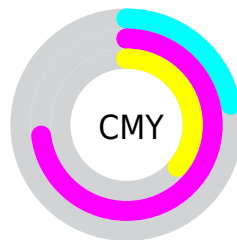
- Red (78%)
- Green (27%)
- Blue (64%)



- Red (78%)
- Yellow (27%)
- Blue (64%)



- Cyan (0%)
- Magenta (65%)
- Yellow (18%)
- Black (22%)




- Cyan (22%)
- Magenta (73%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 198, 70, 163 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 198, 70, 163 by changing the saturation by 10% instead.

 198, 70, 163

255, 255, 255


 255, 126, 218

 255, 154, 247


 255, 183, 255

 255, 212, 255

 255, 241, 255


 198, 70, 163


 169, 39, 137

 141, 0, 111

 113, 0, 86

 85, 0, 63


 61, 0, 41


 31, 0, 18

 0, 0, 0

 198, 70, 163

 198, 50, 158

 198, 70, 163

 198, 90, 168

■ 198, 30, 152

■ 198, 110, 174

■ 198, 11, 147

■ 198, 129, 179

■ 198, 0, 144

■ 198, 149, 185

■ 198, 169, 190

■ 198, 189, 195

■ 198, 207, 209

■ 198, 222, 228

■ 198, 237, 248

Harmonies

Analogous

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



141, 98, 209



198, 70, 163



218, 58, 108

Triad

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



198, 70, 163



10, 132, 0



0, 82, 189

Complementary

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



198, 70, 163



70, 171, 198

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, 146



198, 70, 163



16, 136, 82

Square

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



198, 70, 163



127, 177, 0



0, 93, 143



0, 85, 224

Rectangle

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



198, 70, 163



215, 68, 72



0, 93, 143



0, 79, 172

Sweetspot

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



198, 70, 163



255, 207, 242



104, 70, 198



128, 98, 119



0, 0, 0



128, 128, 128

Same Dimension

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



198, 70, 163



255, 56, 201



198, 70, 100



99, 90, 97



163, 0, 119



36, 0, 26

Inverse Universe

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



198, 70, 163



255, 56, 201



70, 142, 198



99, 90, 97



163, 0, 119



36, 0, 26

Previews

White Background



This preview shows how the RYB color 198, 70, 163 looks on a white background.

Color Contrast Check

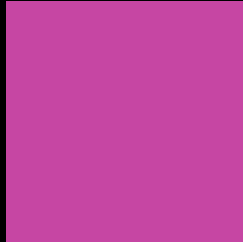
Large Text (above 18pt) WCAG AA ✓ Pass

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 198, 70, 163 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 198, 70, 163 Background



This preview shows how black text looks on a background with the RYB color 198, 70, 163.

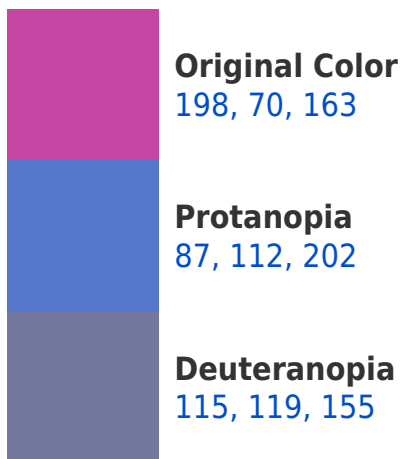


This preview shows how white text looks on a background with the RYB color 198, 70, 163.

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](#).

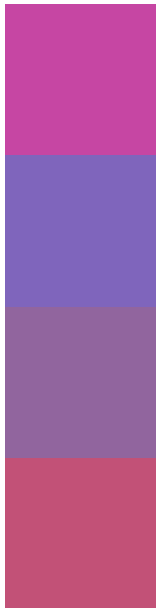
Dichromacy





Tritanopia
192, 88, 94

Trichromacy



Original Color
198, 70, 163

Protanomaly
127, 101, 188

Deuteranomaly
145, 101, 158

Tritanomaly
194, 81, 119

Monochromacy



Original Color
198, 70, 163

Achromatopsia
119, 119, 119

Achromatomaly
148, 101, 135

CSS Examples

Text

The CSS property to change the color of the text to RYB 198, 70, 163 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(198, 70, 163)` looks like.

```
.text, #text, p{  
    color:rgb(198, 70, 163)  
}
```

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(198, 70, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 70, 163) }
```

Border

The CSS property to change the border of an element to RYB 198, 70, 163 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(198, 70, 163) }
```

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

```
.border{ border-color:rgb(198, 70, 163) }
```

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

Here you see how a box with a 4 pixel rgb(198, 70, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 70, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 70, 163);  
box-shadow:4px 4px 4px 4px rgb(198, 70,  
163) }
```

Background

The CSS property to change the background color of an element to RGB 198, 70, 163 is called "background".

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

```
.background, #background, body{  
background: rgb(198, 70, 163) }
```

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

```
.background{ background-color: rgb(198, 70,  
163) }
```

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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