

# Converting Colors

`RYB(198, 140, 179)`

Have a look what the booklet for RYB(198, 140, 179) contains.

<b>RYB(198, 140, 179)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**R<sub>Y</sub>B(198, 140, 179)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C68CB3
RGB	198, 140, 179
RGB Percent	78%, 55%, 70%
CMY	0.2235, 0.4510, 0.2980
CMYK	0.00, 0.29, 0.10, 0.22
HSL	320°, 34%, 66%
HSV	320°, 29%, 78%
XYZ	40.8035, 34.0166, 47.0631
YIQ	161.7880, 22.0490, 24.4250

# Conversions

## Conversions Part 2

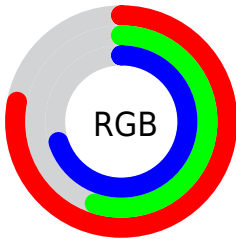
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 140, 179
Decimal	13012147
CIE <sub>Lab</sub>	64.98, 28.15, -11.60
CIE <sub>LCh</sub>	65, 30.451, 337.599
Yxy	34.0166, 0.3348, 0.2791
Android (android.graphics.Color)	4291202227 (0xFFC68CB3)
YUV	161.7880, 8.4855, 31.7579
Hunter-Lab	58.3238, 22.8125, -7.0162

# Details

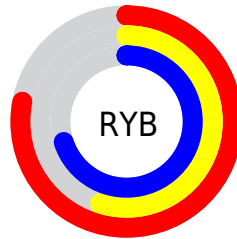
The RYB color **198, 140, 179** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **140, 184, 198**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **255, 194, 235**, and **143, 89, 126** is the 20% darker color. If you saturate the color by 10%, you get **198, 120, 173**, and if you desaturate by 10%, it is **198, 160, 185**.

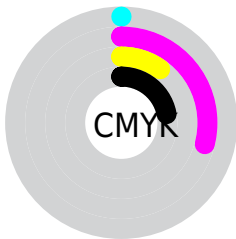
# Distribution



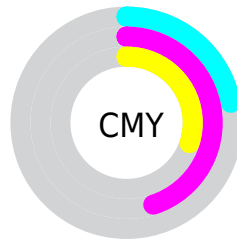
- Red (78%)
- Green (55%)
- Blue (70%)



- Red (78%)
- Yellow (55%)
- Blue (70%)



- Cyan (0%)
- Magenta (29%)
- Yellow (10%)
- Black (22%)



- Cyan (22%)
- Magenta (45%)
- Yellow (30%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 198, 140, 179 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, 140, 179 by changing the saturation by 10% instead.



 198, 140, 179

255, 255, 255

 255, 194, 235

 255, 222, 255

 255, 251, 255

 198, 140, 179

 170, 114, 152

 143, 89, 126

 117, 65, 101

 92, 41, 77

 67, 18, 54

 44, 0, 33

 13, 0, 7


 0, 0, 0


 198, 140, 179

 198, 140, 179

 198, 120, 173

 198, 160, 185

 198, 100, 166

 198, 180, 192

 198, 81, 160


 198, 199, 199

 198, 61, 153

 198, 214, 219

 198, 41, 147

 198, 229, 239

 198, 21, 140

 198, 240, 255

 198, 1, 134

 198, 237, 255

 198, 0, 133

 198, 234, 255

 198, 232, 255

# Harmonies

## Analogous

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



170, 148, 201



198, 140, 179



211, 137, 152

# Triad

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



198, 140, 179



118, 170, 103



65, 122, 190

# Complementary

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



198, 140, 179



140, 184, 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.



77, 127, 173



198, 140, 179



114, 166, 140

# Square

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



198, 140, 179



194, 186, 108



108, 152, 171



90, 136, 207

# Rectangle

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



198, 140, 179



211, 139, 134



108, 152, 171



65, 121, 182



# Sweetspot

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



198, 140, 179



255, 232, 247



158, 140, 198



128, 113, 123



0, 0, 0



128, 128, 128



# Same Dimension

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



198, 140, 179



255, 166, 226



198, 140, 151



99, 90, 96



163, 0, 110



36, 0, 24



# Inverse Universe

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



198, 140, 179



255, 166, 226



140, 172, 198



99, 90, 96



163, 0, 110

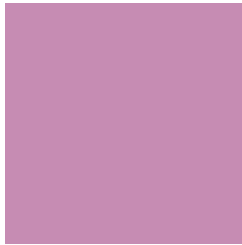


36, 0, 24



# Previews

## White Background



This preview shows how the RYB color 198, 140, 179 looks on a white background.

## Color Contrast Check

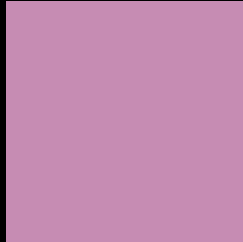
Large Text (above 18pt) WCAG AA × Fail

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, 140, 179 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

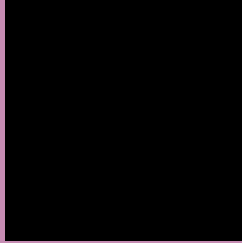
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 198, 140, 179 Background**



This preview shows how black text looks on a background with the RYB color 198, 140, 179.

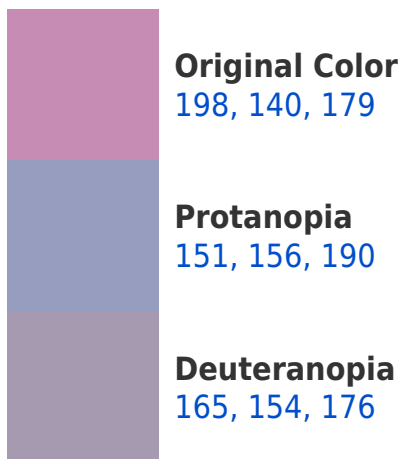


This preview shows how white text looks on a background with the RYB color 198, 140, 179.

# 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**  
195, 144, 155

# Trichromacy



**Original Color**  
198, 140, 179

**Protanomaly**  
168, 151, 186

**Deuteranomaly**  
177, 149, 177

**Tritanomaly**  
196, 143, 164

# Monochromacy



**Original Color**  
198, 140, 179

**Achromatopsia**  
162, 162, 162

**Achromatomaly**  
175, 154, 168

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 198, 140, 179 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, 140, 179)` looks like.

```
.text, #text, p{  
    color:rgb(198, 140, 179)  
}
```

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, 140, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 140, 179) }
```

## Border

The CSS property to change the border of an element to RYB 198, 140, 179 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, 140, 179) }
```

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

```
.border{ border-color:rgb(198, 140, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 140, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 140, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 140, 179);  
box-shadow:4px 4px 4px 4px rgb(198, 140,  
179) }
```

# Background

The CSS property to change the background color of an element to RYB 198, 140, 179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 140, 179) }
```

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

```
.background{ background-color: rgb(198,  
140, 179) }
```

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