

# Converting Colors

`RYB(199, 163, 214)`

Have a look what the booklet for  
RYB(199, 163, 214) contains.

<b>RYB(199, 163, 214)</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(199, 163, 214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7A3D6
RGB	199, 163, 214
RGB Percent	78%, 64%, 84%
CMY	0.2196, 0.3608, 0.1608
CMYK	0.07, 0.24, 0.00, 0.16
HSL	282°, 38%, 74%
HSV	282°, 24%, 84%
XYZ	48.7880, 43.1915, 69.3837
YIQ	179.5780, 5.0850, 23.4930

# Conversions

## Conversions Part 2

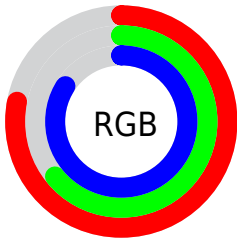
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	199, 163, 214
Decimal	13083606
CIE <sub>Lab</sub>	71.68, 22.39, -20.93
CIE <sub>LCh</sub>	72, 30.644, 316.934
Y <sub>xy</sub>	43.1915, 0.3023, 0.2677
Android (android.graphics.Color)	4291273686 (0xFFC7A3D6)
Y <sub>UV</sub>	179.5780, 16.9700, 17.0331
Hunter-Lab	65.7203, 17.5005, -16.5908

# Details

The RYB color **199, 163, 214** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **163, 214, 199**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **255, 218, 255**, and **145, 111, 159** is the 20% darker color. If you saturate the color by 10%, you get **193, 142, 214**, and if you desaturate by 10%, it is **205, 184, 214**.

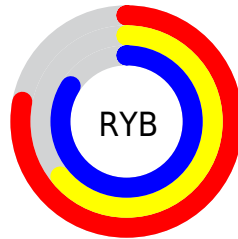
# Distribution



Red (78%)

Green (64%)

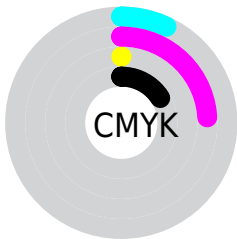
Blue (84%)



Red (78%)

Yellow (64%)

Blue (84%)

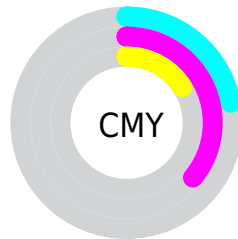


Cyan (7%)

Magenta (24%)

Yellow (0%)

Black (16%)



Cyan (22%)

Magenta (36%)


Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 199, 163, 214 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 199, 163, 214 by changing the saturation by 10% instead.





 199, 163, 214

255, 255, 255

 255, 218, 255

 255, 247, 255

 199, 163, 214

 171, 137, 186

 145, 111, 159

 119, 86, 133

 93, 63, 108

 69, 40, 83

 46, 19, 60

 28, 0, 38

 0, 1, 15

 0, 0, 0

 199, 163, 214

 199, 163, 214

 193, 142, 214

 205, 184, 214

 186, 120, 214


 212, 206, 214

 180, 99, 214


 214, 227, 223

 174, 77, 214


 214, 249, 239

 168, 56, 214

 214, 255, 239

 161, 35, 214

 214, 255, 232

 155, 13, 214

 214, 255, 226

 151, 0, 214

 214, 255, 220

 214, 255, 214

# Harmonies

## Analogous

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



163, 172, 229



199, 163, 214



223, 156, 189

# Triad

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



199, 163, 214



185, 206, 122



90, 141, 191

# Complementary

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



199, 163, 214



163, 214, 199

# 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.



115, 161, 190



199, 163, 214



122, 179, 122

# Square

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



199, 163, 214



225, 171, 136



137, 186, 176



90, 145, 216

# Rectangle

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



199, 163, 214



231, 155, 170



137, 186, 176



96, 146, 191



# Sweetspot

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



199, 163, 214



250, 237, 255



163, 175, 214



125, 117, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



199, 163, 214



233, 181, 255



214, 163, 204



104, 96, 107



121, 0, 171



31, 0, 43



# Inverse Universe

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



214, 163, 178



255, 181, 203



163, 206, 214



107, 96, 100



171, 0, 50

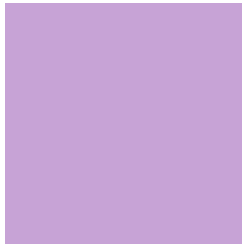


43, 0, 13



# Previews

## White Background



This preview shows how the RYB color 199, 163, 214 looks on a white background.

## Color Contrast Check

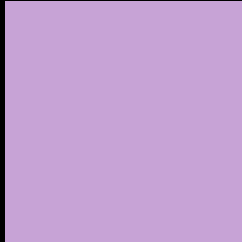
Large Text (above 18pt) WCAG AA × Fail

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 199, 163, 214 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

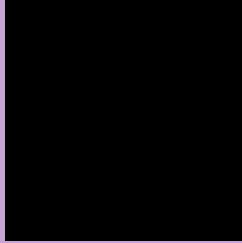
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 199, 163, 214 Background**



This preview shows how black text looks on a background with the RYB color 199, 163, 214.



This preview shows how white text looks on a background with the RYB color 199, 163, 214.

# 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



**Original Color**  
199, 163, 214

**Protanopia**  
164, 173, 222

**Deuteranopia**  
175, 172, 212



**Tritanopia**  
194, 169, 182

# Trichromacy



**Original Color**  
199, 163, 214

**Protanomaly**  
177, 170, 219

**Deuteranomaly**  
184, 169, 213

**Tritanomaly**  
196, 167, 194

# Monochromacy



**Original Color**  
199, 163, 214

**Achromatopsia**  
180, 180, 180

**Achromatomaly**  
187, 174, 192

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 199, 163, 214 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(199, 163, 214)` looks like.

```
.text, #text, p{  
    color:rgb(199, 163, 214)  
}
```

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(199, 163, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 163, 214) }
```

## Border

The CSS property to change the border of an element to RYB 199, 163, 214 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(199, 163, 214) }
```

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

```
.border{ border-color:rgb(199, 163, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 163, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 163, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 163, 214);  
box-shadow:4px 4px 4px 4px rgb(199, 163,  
214) }
```

# Background

The CSS property to change the background color of an element to RYB 199, 163, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 163, 214) }
```

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

```
.background{ background-color: rgb(199,  
163, 214) }
```

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