

Converting Colors

`RYB(199, 167, 234)`

Have a look what the booklet for
RYB(199, 167, 234) contains.

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Color

R_YB(199, 167, 234)

Conversions

Conversions Part 1

Format	Color
Hex	C7A7EA
RGB	199, 167, 234
RGB Percent	78%, 65%, 92%
CMY	0.2196, 0.3451, 0.0824
CMYK	0.15, 0.29, 0.00, 0.08
HSL	269°, 61%, 79%
HSV	269°, 29%, 92%
XYZ	52.2232, 45.7201, 83.9143
YIQ	184.2060, -2.4350, 27.6210

Conversions

Conversions Part 2

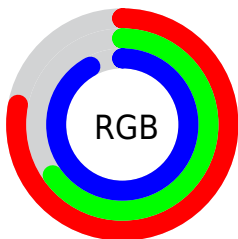
Format	Color
R _Y B	199, 167, 234
Decimal	13084650
CIE Lab	73.36, 24.34, -29.29
CIE LCh	73, 38.082, 309.719
Yxy	45.7201, 0.2872, 0.2514
Android (android.graphics.Color)	4291274730 (0xFFC7A7EA)
YUV	184.2060, 24.5484, 12.9743
Hunter-Lab	67.6166, 19.5341, -26.2491

Details

The RYB color **199, 167, 234** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **167, 234, 199**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **255, 222, 255**, and **144, 115, 178** is the 20% darker color. If you saturate the color by 10%, you get **187, 144, 234**, and if you desaturate by 10%, it is **211, 190, 234**.

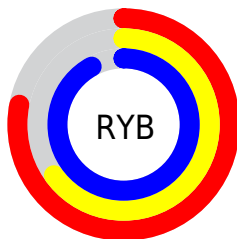
Distribution



Red (78%)

Green (65%)

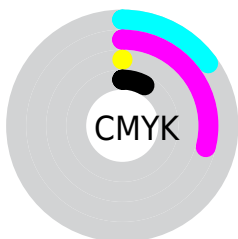
Blue (92%)



Red (78%)

Yellow (65%)

Blue (92%)

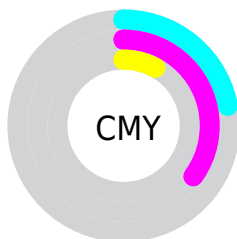


Cyan (15%)

Magenta (29%)

Yellow (0%)

Black (8%)



Cyan (22%)

Magenta (35%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 167, 234 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, 167, 234 by changing the saturation by 10% instead.

■ 199, 167, 234

255, 255, 255

■ 255, 222, 255

■ 255, 251, 255

■ 199, 167, 234

■ 171, 140, 206

■ 144, 115, 178

■ 118, 90, 151

■ 93, 66, 125

■ 68, 44, 100

■ 44, 22, 76

■ 23, 0, 53

■ 0, 2, 31

■ 0, 0, 1

■ 199, 167, 234

■ 199, 167, 234

■ 187, 144, 234

■ 211, 190, 234

■ 175, 120, 234

■ 223, 214, 234

■ 162, 97, 234

■ 234, 237, 235

■ 150, 73, 234

■ 234, 255, 241

■ 138, 50, 234

■ 234, 255, 234

■ 126, 27, 234

■ 113, 3, 234

■ 112, 0, 234

Harmonies

Analogous

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



149, 173, 249



199, 167, 234



233, 156, 205

Triad

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



199, 167, 234



222, 224, 115



64, 134, 199

Complementary

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



199, 167, 234



167, 234, 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.



111, 168, 197



199, 167, 234



122, 192, 111

Square

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



199, 167, 234



244, 165, 137



125, 191, 162



41, 125, 224

Rectangle

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



199, 167, 234



245, 153, 182



125, 191, 162



80, 145, 199

Sweetspot

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



199, 167, 234



243, 232, 255



167, 190, 234



120, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



199, 167, 234



210, 168, 255



232, 167, 234



111, 106, 117



86, 0, 181



26, 0, 54

Inverse Universe

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



234, 167, 202



255, 168, 214



167, 234, 232



117, 106, 112



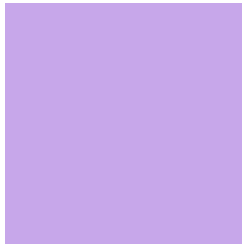
181, 0, 95



54, 0, 28

Previews

White Background



This preview shows how the RYB color 199, 167, 234 looks on a white background.

Color Contrast Check

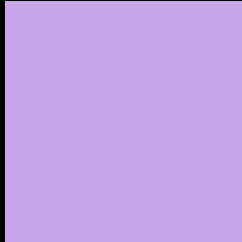
Large Text (above 18pt) WCAG AA × Fail

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, 167, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

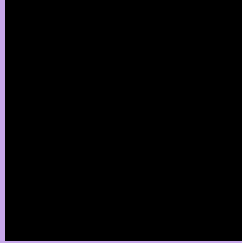
Any Text WCAG AA ✓ Pass

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, 167, 234 Background



This preview shows how black text looks on a background with the RYB color 199, 167, 234.

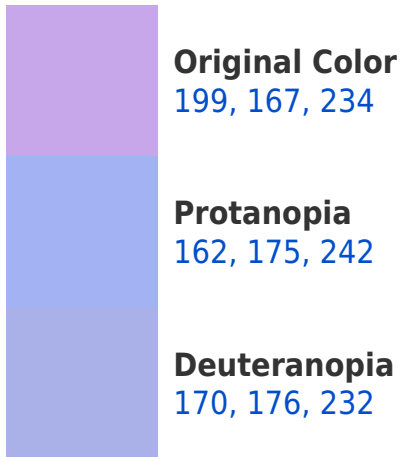



This preview shows how white text looks on a background with the RYB color 199, 167, 234.

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, 176, 189

Trichromacy



Original Color
199, 167, 234

Protanomaly
175, 174, 239

Deuteranomaly
181, 173, 233

Tritanomaly
195, 173, 205

Monochromacy



Original Color
199, 167, 234

Achromatopsia
184, 184, 184

Achromatomaly
189, 178, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 167, 234 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, 167, 234)` looks like.

```
.text, #text, p{  
    color:rgb(199, 167, 234)  
}
```

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, 167, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 167, 234) }
```

Border

The CSS property to change the border of an element to RYB 199, 167, 234 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, 167, 234) }
```

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

```
.border{ border-color:rgb(199, 167, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 167, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 167, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 167, 234);  
box-shadow:4px 4px 4px 4px rgb(199, 167,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 199, 167, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 167, 234) }
```

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

```
.background{ background-color: rgb(199,  
167, 234) }
```

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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