

Converting Colors

`RYB(199, 168, 237)`

Have a look what the booklet for
RYB(199, 168, 237) contains.

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Color

R_YB(199, 168, 237)

Conversions

Conversions Part 1

Format	Color
Hex	C7A8ED
RGB	199, 168, 237
RGB Percent	78%, 66%, 93%
CMY	0.2196, 0.3412, 0.0706
CMYK	0.16, 0.29, 0.00, 0.07
HSL	267°, 66%, 79%
HSV	267°, 29%, 93%
XYZ	52.8419, 46.2618, 86.2651
YIQ	185.1350, -3.6730, 28.0310

Conversions

Conversions Part 2

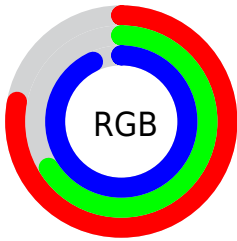
Format	Color
RYB	199, 168, 237
Decimal	13084909
CIELab	73.72, 24.43, -30.38
CIELCh	74, 38.987, 308.803
Yxy	46.2618, 0.2851, 0.2496
Android (android.graphics.Color)	4291274989 (0xFFC7A8ED)
YUV	185.1350, 25.5694, 12.1596
Hunter-Lab	68.0160, 19.6492, -27.5866

Details

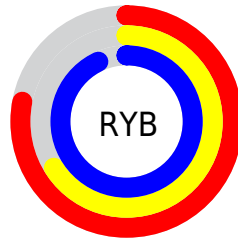
The RYB color **199, 168, 237** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **168, 237, 199**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **255, 223, 255**, and **144, 116, 181** is the 20% darker color. If you saturate the color by 10%, you get **186, 144, 237**, and if you desaturate by 10%, it is **212, 192, 237**.

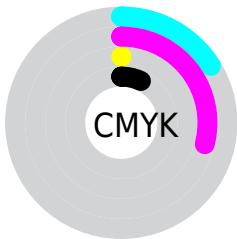
Distribution



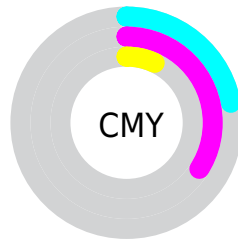
- Red (78%)
- Green (66%)
- Blue (93%)



- Red (78%)
- Yellow (66%)
- Blue (93%)



- Cyan (16%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)



- Cyan (22%)
- Magenta (34%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 168, 237 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, 168, 237 by changing the saturation by 10% instead.


 199, 168, 237

255, 255, 255

 255, 223, 255

 255, 252, 255

 199, 168, 237


 171, 141, 209

 144, 116, 181

 118, 91, 154

 92, 67, 128

 68, 44, 102

 44, 23, 78

 22, 0, 55

 0, 2, 33

 0, 0, 6

■ 199, 168, 237

■ 199, 168, 237

■ 186, 144, 237

■ 212, 192, 237

■ 173, 121, 237

■ 225, 215, 237

■ 160, 97, 237

■ 237, 239, 238

■ 147, 73, 237

■ 237, 255, 241

■ 134, 49, 237

■ 237, 255, 237

■ 121, 26, 237

■ 108, 2, 237

■ 106, 0, 237

Harmonies

Analogous

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



147, 173, 251



199, 168, 237



235, 157, 208

Triad

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



199, 168, 237



226, 224, 115



62, 133, 200

Complementary

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



199, 168, 237



168, 237, 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, 169, 198



199, 168, 237



124, 194, 110

Square

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



199, 168, 237



247, 164, 138



124, 192, 161



31, 121, 225

Rectangle

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



199, 168, 237



248, 153, 184



124, 192, 161



79, 146, 200

Sweetspot

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



199, 168, 237



242, 232, 255



168, 193, 237



120, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



199, 168, 237



206, 166, 255



232, 168, 237



111, 106, 117



81, 0, 181



24, 0, 54

Inverse Universe

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



237, 168, 206



255, 166, 215



168, 237, 232



117, 106, 112



181, 0, 100



54, 0, 29

Previews

White Background



This preview shows how the RYB color 199, 168, 237 looks on a white background.

Color Contrast Check

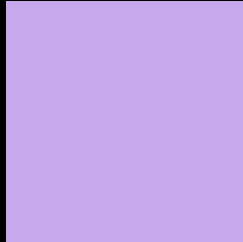
Large Text (above 18pt) WCAG AA × Fail

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, 168, 237 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, 168, 237 Background



This preview shows how black text looks on a background with the RYB color 199, 168, 237.



This preview shows how white text looks on a background with the RYB color 199, 168, 237.

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, 168, 237

Protanopia
162, 176, 245

Deuteranopia
170, 177, 235



Tritanopia
191, 177, 191

Trichromacy



Original Color
199, 168, 237

Protanomaly
175, 175, 242

Deuteranomaly
181, 174, 236

Tritanomaly
194, 174, 208

Monochromacy



Original Color
199, 168, 237

Achromatopsia
185, 185, 185

Achromatomaly
190, 179, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 168, 237 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, 168, 237)` looks like.

```
.text, #text, p{  
    color:rgb(199, 168, 237)  
}
```

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, 168, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 168, 237) }
```

Border

The CSS property to change the border of an element to RYB 199, 168, 237 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, 168, 237) }
```

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

```
.border{ border-color:rgb(199, 168, 237) }
```

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

Here you see how a box with a 4 pixel rgb(199, 168, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 168, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 168, 237);  
box-shadow:4px 4px 4px 4px rgb(199, 168,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 199, 168, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 168, 237) }
```

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

```
.background{ background-color: rgb(199,  
168, 237) }
```

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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