

Converting Colors

`RYB(199, 177, 231)`

Have a look what the booklet for RYB(199, 177, 231) contains.

RYB(199, 177, 231)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(199, 177, 231)

Conversions

Conversions Part 1

Format	Color
Hex	C7B1E7
RGB	199, 177, 231
RGB Percent	78%, 69%, 91%
CMY	0.2196, 0.3059, 0.0941
CMYK	0.14, 0.23, 0.00, 0.09
HSL	264°, 53%, 80%
HSV	264°, 23%, 91%
XYZ	53.6991, 49.3559, 82.2977
YIQ	189.7340, -4.2220, 21.4580

Conversions

Conversions Part 2

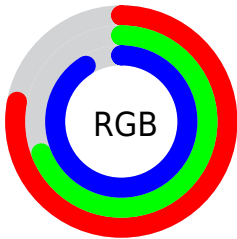
Format	Color
R_{YB}	199, 177, 231
Decimal	13087207
CIE _{Lab}	75.67, 18.21, -24.13
CIE _{LCh}	76, 30.225, 307.039
Yxy	49.3559, 0.2897, 0.2663
Android (android.graphics.Color)	4291277287 (0xFFC7B1E7)
YUV	189.7340, 20.3441, 8.1263
Hunter-Lab	70.2538, 13.4941, -20.2767

Details

The RYB color **199, 177, 231** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **177, 231, 199**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **255, 233, 255**, and **145, 124, 175** is the 20% darker color. If you saturate the color by 10%, you get **185, 154, 231**, and if you desaturate by 10%, it is **213, 200, 231**.

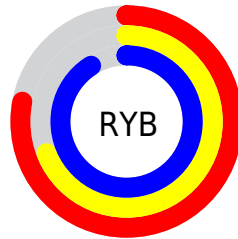
Distribution



Red (78%)

Green (69%)

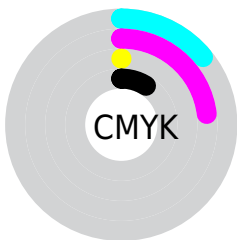
Blue (91%)



Red (78%)

Yellow (69%)

Blue (91%)

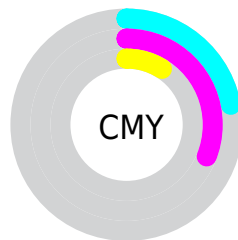


Cyan (14%)

Magenta (23%)

Yellow (0%)

Black (9%)



Cyan (22%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 177, 231 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, 177, 231 by changing the saturation by 10% instead.


 199, 177, 231

255, 255, 255

 255, 233, 255

 199, 177, 231

 171, 150, 203

 145, 124, 175


 119, 99, 149

 93, 75, 123

 69, 52, 98

 46, 31, 74

 23, 9, 51

 0, 2, 29

 0, 0, 0

■ 199, 177, 231

■ 199, 177, 231

■ 185, 154, 231

■ 213, 200, 231

■ 172, 131, 231

■ 226, 223, 231

■ 158, 108, 231

■ 231, 246, 237

■ 144, 85, 231

■ 231, 255, 232

■ 131, 62, 231

■ 231, 255, 231

■ 117, 38, 231

■ 103, 15, 231

■ 94, 0, 231

Harmonies

Analogous

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



160, 180, 241



199, 177, 231



228, 169, 209

Triad

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



199, 177, 231



225, 212, 136



109, 158, 202

Complementary

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



199, 177, 231



177, 231, 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.



137, 181, 200



199, 177, 231



147, 200, 131

Square

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



199, 177, 231



240, 172, 154



141, 195, 167



100, 154, 219

Rectangle

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



199, 177, 231



239, 166, 190



141, 195, 167



117, 165, 202

Sweetspot

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



199, 177, 231



244, 237, 255



177, 197, 231



121, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



199, 177, 231



213, 184, 255



226, 177, 231



108, 103, 115



73, 0, 179



21, 0, 51

Inverse Universe

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



231, 177, 209



255, 184, 226



177, 231, 226



115, 103, 110



179, 0, 106



51, 0, 30

Previews

White Background



This preview shows how the RYB color 199, 177, 231 looks on a white background.

Color Contrast Check

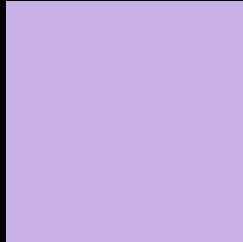
Large Text (above 18pt) WCAG AA × Fail

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, 177, 231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

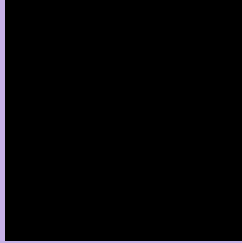
Any Text WCAG AA ✓ Pass

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, 177, 231 Background



This preview shows how black text looks on a background with the RYB color 199, 177, 231.



This preview shows how white text looks on a background with the RYB color 199, 177, 231.

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, 177, 231

Protanopia
174, 183, 236

Deuteranopia
183, 183, 230



Tritanopia
193, 183, 198

Trichromacy



Original Color
199, 177, 231

Protanomaly
183, 182, 234

Deuteranomaly
189, 181, 230

Tritanomaly
195, 181, 210

Monochromacy



Original Color
199, 177, 231

Achromatopsia
190, 190, 190

Achromatomaly
193, 185, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 177, 231 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, 177, 231)` looks like.

```
.text, #text, p{  
    color:rgb(199, 177, 231)  
}
```

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, 177, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 177, 231) }
```

Border

The CSS property to change the border of an element to RYB 199, 177, 231 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, 177, 231) }
```

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

```
.border{ border-color:rgb(199, 177, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 177, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 177, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 177, 231);  
box-shadow:4px 4px 4px 4px rgb(199, 177,  
231) }
```

Background

The CSS property to change the background color of an element to RYB 199, 177, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 177, 231) }
```

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

```
.background{ background-color: rgb(199,  
177, 231) }
```

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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