

# Converting Colors

`RYB(193, 171, 219)`

Have a look what the booklet for RYB(193, 171, 219) contains.

<b>RYB(193, 171, 219)</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(193, 171, 219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1ABDB
RGB	193, 171, 219
RGB Percent	76%, 67%, 86%
CMY	0.2431, 0.3294, 0.1412
CMYK	0.12, 0.22, 0.00, 0.14
HSL	268°, 40%, 76%
HSV	268°, 22%, 86%
XYZ	49.3414, 45.5777, 73.2146
YIQ	183.0500, -2.2960, 19.5920

# Conversions

## Conversions Part 2

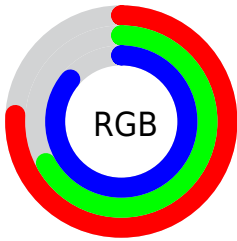
Format	Color
<a href="#">RYB</a>	<a href="#">193, 171, 219</a>
Decimal	<a href="#">12692443</a>
CIELab	<a href="#">73.27, 17.06, -21.30</a>
CIElCh	<a href="#">73, 27.291, 308.690</a>
Yxy	<a href="#">45.5777, 0.2935, 0.2711</a>
Android (android.graphics.Color)	<a href="#">4290882523 (0xFFC1ABDB)</a>
YUV	<a href="#">183.0500, 17.7233, 8.7261</a>
Hunter-Lab	<a href="#">67.5113, 12.3140, -17.0409</a>

# Details

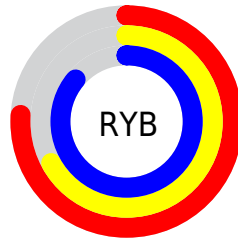
The RYB color **193, 171, 219** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **171, 219, 193**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **250, 226, 255**, and **139, 119, 164** is the 20% darker color. If you saturate the color by 10%, you get **181, 149, 219**, and if you desaturate by 10%, it is **205, 193, 219**.

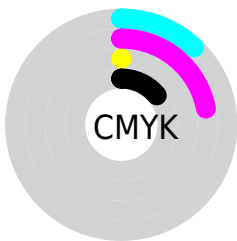
# Distribution



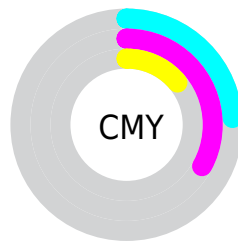
- Red (76%)
- Green (67%)
- Blue (86%)



- Red (76%)
- Yellow (67%)
- Blue (86%)



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)
- Black (14%)



- Cyan (24%)
- Magenta (33%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 193, 171, 219 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 193, 171, 219 by changing the saturation by 10% instead.



 193, 171, 219


255, 255, 255

 250, 226, 255

 193, 171, 219


 166, 144, 191

 139, 119, 164

 113, 94, 138

 88, 70, 112

 64, 48, 87

 41, 26, 64


 22, 1, 42

 0, 1, 20


 0, 0, 0

 193, 171, 219


 193, 171, 219

 181, 149, 219

 205, 193, 219

 169, 127, 219


 217, 215, 219

 157, 105, 219

 219, 237, 227

 146, 83, 219

 219, 255, 234

 134, 62, 219

 219, 255, 222

 122, 40, 219

 219, 255, 219

 110, 18, 219

 100, 0, 219

# Harmonies

## Analogous

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



159, 175, 229



193, 171, 219



218, 164, 199

# Triad

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



193, 171, 219



214, 206, 134



111, 154, 194

# Complementary

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



193, 171, 219



171, 219, 193

# 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.



134, 174, 192



193, 171, 219



142, 191, 130

# Square

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



193, 171, 219



228, 169, 150



140, 188, 165



106, 153, 210

# Rectangle

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



193, 171, 219



228, 162, 182



140, 188, 165



118, 160, 194



# Sweetspot

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



193, 171, 219



245, 237, 255



171, 188, 219



122, 117, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



193, 171, 219



219, 189, 255



217, 171, 219



104, 99, 110



79, 0, 173



21, 0, 46



# Inverse Universe

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



219, 171, 197



255, 189, 225



171, 219, 217



110, 99, 105



173, 0, 94



46, 0, 25



# Previews

## White Background



This preview shows how the RYB color 193, 171, 219 looks on a white background.

## Color Contrast Check

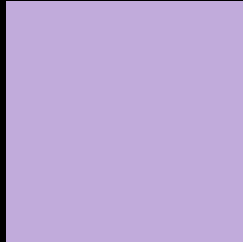
Large Text (above 18pt) WCAG AA × Fail

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 193, 171, 219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

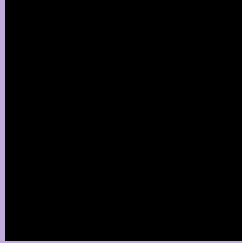
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 193, 171, 219 Background**



This preview shows how black text looks on a background with the RYB color 193, 171, 219.



This preview shows how white text looks on a background with the RYB color 193, 171, 219.

# 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**  
193, 171, 219

**Protanopia**  
169, 177, 224

**Deuteranopia**  
179, 176, 218



**Tritanopia**  
188, 176, 190

# Trichromacy



**Original Color**  
193, 171, 219

**Protanomaly**  
178, 175, 222

**Deuteranomaly**  
184, 174, 218

**Tritanomaly**  
190, 174, 201

# Monochromacy



**Original Color**  
193, 171, 219

**Achromatopsia**  
183, 183, 183

**Achromatomaly**  
187, 179, 196

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 193, 171, 219 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(193, 171, 219)` looks like.

```
.text, #text, p{  
    color:rgb(193, 171, 219)  
}
```

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(193, 171, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 171, 219) }
```

## Border

The CSS property to change the border of an element to RYB 193, 171, 219 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(193, 171, 219) }
```

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

```
.border{ border-color:rgb(193, 171, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 171, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 171, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 171, 219);  
box-shadow:4px 4px 4px 4px rgb(193, 171,  
219) }
```

# Background

The CSS property to change the background color of an element to RYB 193, 171, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 171, 219) }
```

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

```
.background{ background-color: rgb(193,  
171, 219) }
```

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