

# Converting Colors

RGB(171, 131, 219)

Have a look what the booklet for  
RGB(171, 131, 219) contains.

<b>RGB(171, 131, 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**

**RGB(171, 131, 219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB83DB
RGB	171, 131, 219
RGB Percent	67%, 51%, 86%
CMY	0.3294, 0.4863, 0.1412
CMYK	0.22, 0.40, 0.00, 0.14
HSL	267°, 55%, 69%
HSV	267°, 40%, 86%
XYZ	37.6971, 30.0050, 70.8225
YIQ	152.9920, -4.4080, 35.8480

# Conversions

## Conversions Part 2

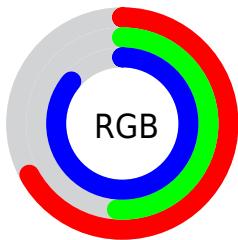
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 131, 219
Decimal	11240411
CIE <sub>Lab</sub>	61.66, 32.63, -39.39
CIE <sub>LCh</sub>	62, 51.150, 309.632
Yxy	30.0050, 0.2721, 0.2166
Android (android.graphics.Color)	4289430491 (0xFFAB83DB)
YUV	152.9920, 32.5419, 15.7930
Hunter-Lab	54.7768, 26.9832, -38.3140

# Details

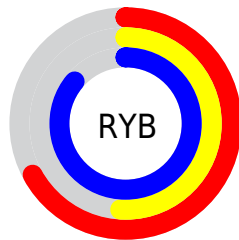
The RGB color **171, 131, 219** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **179, 219, 131**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **228, 185, 255**, and **117, 81, 164** is the 20% darker color. If you saturate the color by 10%, you get **159, 109, 219**, and if you desaturate by 10%, it is **183, 153, 219**.

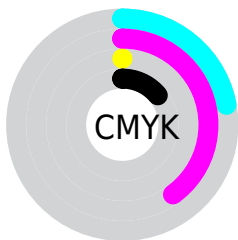
# Distribution



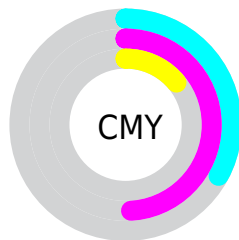
- Red (67%)
- Green (51%)
- Blue (86%)



- Red (67%)
- Yellow (51%)
- Blue (86%)



- Cyan (22%)
- Magenta (40%)
- Yellow (0%)
- Black (14%)




- Cyan (33%)
- Magenta (49%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 171, 131, 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 RGB color 171, 131, 219 by changing the saturation by 10% instead.




 171, 131, 219


255, 255, 255

 228, 185, 255

 255, 212, 255

 255, 241, 255

 171, 131, 219

 144, 105, 191

 117, 81, 164

 91, 57, 137

 65, 34, 111


 39, 11, 86


 17, 0, 63


 0, 3, 40

 0, 1, 17

 0, 0, 0

 171, 131, 219

 171, 131, 219

 159, 109, 219

 183, 153, 219

 147, 87, 219


 195, 175, 219


 135, 65, 219

 207, 197, 219

 123, 43, 219

 219, 219, 219

 111, 21, 219

 231, 241, 219

 100, 0, 219

 243, 255, 219

 255, 255, 219

 255, 255, 219

# Harmonies

## Analogous

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



93, 149, 238



171, 131, 219



215, 114, 181

# Triad

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



171, 131, 219



200, 135, 62



0, 171, 163

# Complementary

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



171, 131, 219



179, 219, 131

# 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.



31, 169, 116



171, 131, 219



161, 151, 54

# Square

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



171, 131, 219



226, 119, 93



112, 163, 76



0, 169, 206

# Rectangle

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



171, 131, 219



230, 109, 151



112, 163, 76



0, 171, 147



# Sweetspot

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



171, 131, 219



238, 224, 255



131, 179, 219



118, 110, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



171, 131, 219



188, 133, 255



215, 131, 219



104, 99, 110



79, 0, 173



21, 0, 46



# Inverse Universe

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



219, 131, 179



255, 133, 199



135, 219, 131



110, 99, 105



173, 0, 95

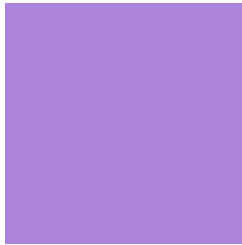


46, 0, 25



# Previews

## White Background



This preview shows how the RGB color 171, 131, 219 looks on a white background.

## Color Contrast Check

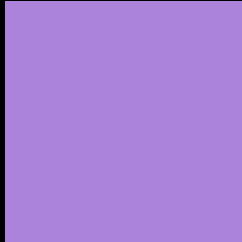
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the RGB color 171, 131, 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](#).



## RGB 171, 131, 219 Background



This preview shows how black text looks on a background with the RGB color 171, 131, 219.

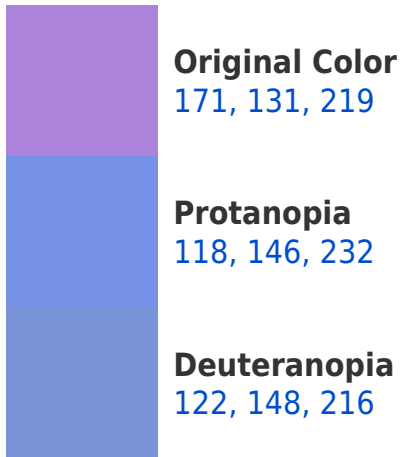



This preview shows how white text looks on a background with the RGB color 171, 131, 219.

# 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





# Tritanopia

160, 145, 156

# Trichromacy



**Original Color**

171, 131, 219



**Protanomaly**

137, 141, 227



**Deuteranomaly**

140, 142, 217



**Tritanomaly**

164, 140, 179

# Monochromacy



**Original Color**

171, 131, 219



**Achromatopsia**

153, 153, 153



**Achromatomaly**

160, 145, 177

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 171, 131, 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(171, 131, 219)` looks like.

```
.text, #text, p{  
    color:rgb(171, 131, 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(171, 131, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 131, 219) }
```

## Border

The CSS property to change the border of an element to RGB 171, 131, 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(171, 131, 219) }
```

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

```
.border{ border-color:rgb(171, 131, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 131, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 131, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 131, 219);  
box-shadow:4px 4px 4px 4px rgb(171, 131,  
219) }
```

# Background

The CSS property to change the background color of an element to RGB 171, 131, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 131, 219) }
```

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

```
.background{ background-color: rgb(171,  
131, 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