

# Converting Colors

`RYB(167, 131, 184)`

Have a look what the booklet for  
RYB(167, 131, 184) contains.

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# Color

**R<sub>Y</sub>B(167, 131, 184)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A783B8
RGB	167, 131, 184
RGB Percent	65%, 51%, 72%
CMY	0.3451, 0.4863, 0.2784
CMYK	0.09, 0.29, 0.00, 0.28
HSL	281°, 27%, 62%
HSV	281°, 29%, 72%
XYZ	32.7044, 27.9088, 49.0106
YIQ	147.8060, 4.4430, 24.1150

# Conversions

## Conversions Part 2

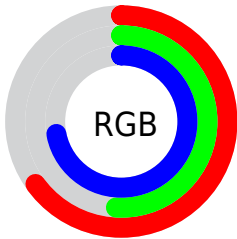
Format	Color
<a href="#">RYB</a>	<a href="#">167, 131, 184</a>
Decimal	<a href="#">10978232</a>
CIELab	<a href="#">59.81, 23.62, -22.58</a>
CIElCh	<a href="#">60, 32.672, 316.293</a>
Yxy	<a href="#">27.9088, 0.2983, 0.2546</a>
Android (android.graphics.Color)	<a href="#">4289168312</a> ( <a href="#">0xFFA783B8</a> )
YUV	<a href="#">147.8060, 17.8436, 16.8331</a>
Hunter-Lab	<a href="#">52.8288, 18.0526, -18.0248</a>

# Details

The RYB color **167, 131, 184** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **131, 184, 167**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **223, 184, 240**, and **114, 81, 131** is the 20% darker color. If you saturate the color by 10%, you get **161, 113, 184**, and if you desaturate by 10%, it is **173, 149, 184**.

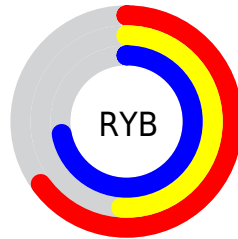
# Distribution



Red (65%)

Green (51%)

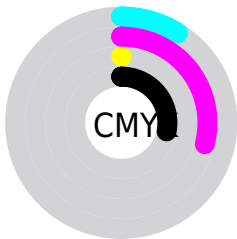
Blue (72%)



Red (65%)

Yellow (51%)

Blue (72%)

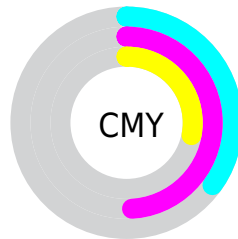


Cyan (9%)

Magenta (29%)

Yellow (0%)

Black (28%)



Cyan (35%)

Magenta (49%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 167, 131, 184 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 167, 131, 184 by changing the saturation by 10% instead.



 167, 131, 184

255, 255, 255

 223, 184, 240

 251, 212, 255

 255, 241, 255

 167, 131, 184

 140, 106, 157

 114, 81, 131

 89, 58, 105

 65, 35, 81


 42, 14, 58

 25, 0, 37

 0, 0, 12

 0, 0, 0

 167, 131, 184

 167, 131, 184

161, 113, 184

173, 149, 184

155, 94, 184

179, 168, 184

149, 76, 184

184, 186, 185

143, 57, 184

184, 205, 198

137, 39, 184

184, 223, 210

132, 21, 184

184, 241, 223

126, 2, 184

184, 255, 231

125, 0, 184

184, 255, 225

184, 255, 219

# Harmonies

## Analogous

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



128, 139, 199



167, 131, 184



192, 123, 158

# Triad

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



167, 131, 184



152, 175, 88



39, 99, 159

# Complementary

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



167, 131, 184



131, 184, 167

# 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.



79, 128, 159



167, 131, 184



88, 147, 88

# Square

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



167, 131, 184



194, 137, 104



103, 154, 142



33, 101, 185

# Rectangle

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



167, 131, 184



199, 122, 139



103, 154, 142



52, 109, 160



# Sweetspot

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



167, 131, 184



233, 218, 240



131, 144, 184



116, 107, 120



247, 247, 247



120, 120, 120



# Same Dimension

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



167, 131, 184



213, 156, 240



184, 131, 175



89, 83, 92



106, 0, 156



19, 0, 28



# Inverse Universe

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



184, 131, 148



240, 156, 183



131, 176, 184



92, 83, 86



156, 0, 50

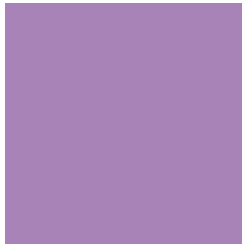


28, 0, 9



# Previews

## White Background



This preview shows how the RYB color 167, 131, 184 looks on a white background.

## Color Contrast Check

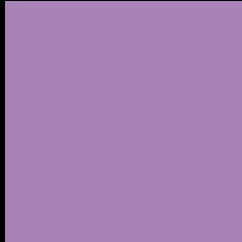
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RYB color 167, 131, 184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

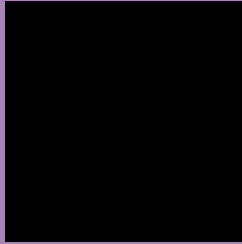
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYP 167, 131, 184 Background



This preview shows how black text looks on a background with the RYB color 167, 131, 184.

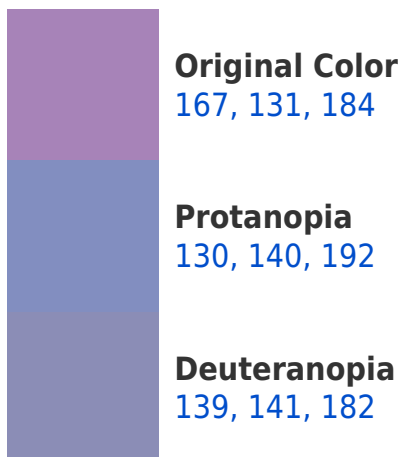


This preview shows how white text looks on a background with the RYB color 167, 131, 184.

# 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**  
162, 138, 149

# Trichromacy



**Original Color**  
167, 131, 184

**Protanomaly**  
143, 138, 189

**Deuteranomaly**  
149, 137, 183

**Tritanomaly**  
164, 135, 162

# Monochromacy



**Original Color**  
167, 131, 184

**Achromatopsia**  
148, 148, 148

**Achromatomaly**  
155, 142, 161

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 167, 131, 184 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(167, 131, 184)` looks like.

```
.text, #text, p{  
    color:rgb(167, 131, 184)  
}
```

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(167, 131, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 131, 184) }
```

## Border

The CSS property to change the border of an element to RYB 167, 131, 184 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(167, 131, 184) }
```

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

```
.border{ border-color:rgb(167, 131, 184) }
```

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

Here you see how a box with a 4 pixel rgb(167, 131, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 131, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 131, 184);  
box-shadow:4px 4px 4px 4px rgb(167, 131,  
184) }
```

# Background

The CSS property to change the background color of an element to RYB 167, 131, 184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 131, 184) }
```

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

```
.background{ background-color: rgb(167,  
131, 184) }
```

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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