

# Converting Colors

`RYB(175, 141, 181)`

Have a look what the booklet for  
RYB(175, 141, 181) contains.

<b>RYB(175, 141, 181)</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(175, 141, 181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF8DB5
RGB	175, 141, 181
RGB Percent	69%, 55%, 71%
CMY	0.3137, 0.4471, 0.2902
CMYK	0.03, 0.22, 0.00, 0.29
HSL	291°, 21%, 63%
HSV	291°, 22%, 71%
XYZ	35.5446, 31.4999, 47.9228
YIQ	155.7260, 7.4240, 19.6480

# Conversions

## Conversions Part 2

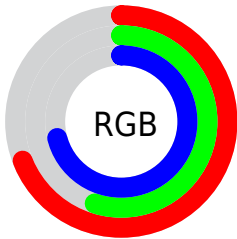
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	175, 141, 181
Decimal	11505077
CIE Lab	62.93, 20.03, -16.05
CIE LCh	63, 25.666, 321.288
Yxy	31.4999, 0.3092, 0.2740
Android (android.graphics.Color)	4289695157 (0xFFAF8DB5)
YUV	155.7260, 12.4601, 16.9033
Hunter-Lab	56.1248, 14.8280, -11.3381

# Details

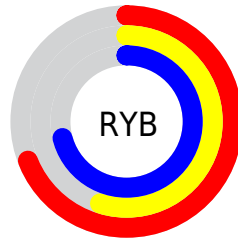
The RYB color **175, 141, 181** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **141, 181, 175**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **231, 195, 237**, and **122, 91, 128** is the 20% darker color. If you saturate the color by 10%, you get **172, 123, 181**, and if you desaturate by 10%, it is **178, 159, 181**.

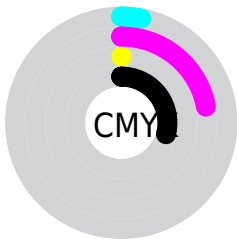
# Distribution



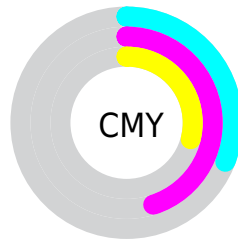
- Red (69%)
- Green (55%)
- Blue (71%)



- Red (69%)
- Yellow (55%)
- Blue (71%)



- Cyan (3%)
- Magenta (22%)
- Yellow (0%)
- Black (29%)



- Cyan (31%)
- Magenta (45%)
- Yellow (29%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 175, 141, 181 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 175, 141, 181 by changing the saturation by 10% instead.



 175, 141, 181

255, 255, 255

 231, 195, 237

 255, 223, 255

 255, 252, 255

 175, 141, 181

 148, 115, 154

 122, 91, 128

 97, 67, 103

 73, 44, 79

 50, 23, 56

 30, 0, 34

 0, 0, 9

 0, 0, 0

 175, 141, 181

 175, 141, 181

172, 123, 181

178, 159, 181

170, 105, 181

180, 177, 181

167, 87, 181

181, 195, 193

164, 69, 181

181, 213, 208

161, 51, 181

181, 232, 224

159, 32, 181

181, 250, 240

156, 14, 181

181, 255, 242

154, 0, 181

181, 255, 239

181, 255, 237

# Harmonies

## Analogous

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



147, 149, 195



175, 141, 181



193, 136, 160

# Triad

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



175, 141, 181



149, 175, 107



83, 125, 168

# Complementary

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



175, 141, 181



141, 181, 175

# 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.



100, 138, 165



175, 141, 181



109, 156, 113

# Square

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



175, 141, 181



191, 152, 118



123, 161, 158



88, 130, 187

# Rectangle

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



175, 141, 181



198, 136, 144



123, 161, 158



87, 127, 165



# Sweetspot

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



175, 141, 181



232, 218, 235



141, 146, 181



116, 108, 117



245, 245, 245



117, 117, 117



# Same Dimension

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



175, 141, 181



225, 171, 235



181, 141, 167



88, 80, 89



130, 0, 153



22, 0, 26



# Inverse Universe

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



181, 141, 147



235, 171, 181



141, 171, 181



89, 80, 82



153, 0, 23



26, 0, 4



# Previews

## White Background



This preview shows how the RYB color 175, 141, 181 looks on a white background.

## Color Contrast Check

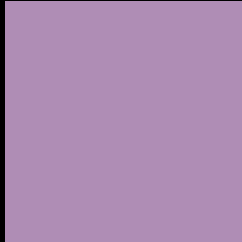
Large Text (above 18pt) WCAG AA × Fail

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 175, 141, 181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

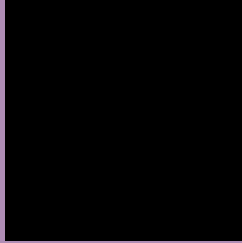
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 175, 141, 181 Background



This preview shows how black text looks on a background with the RYB color 175, 141, 181.



This preview shows how white text looks on a background with the RYB color 175, 141, 181.

# 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**  
175, 141, 181

**Protanopia**  
144, 150, 188

**Deuteranopia**  
154, 149, 179



**Tritanopia**  
171, 145, 157

# Trichromacy



**Original Color**

175, 141, 181

**Protanomaly**

155, 147, 185

**Deuteranomaly**

162, 146, 180

**Tritanomaly**

172, 144, 166

# Monochromacy



**Original Color**

175, 141, 181

**Achromatopsia**

156, 156, 156

**Achromatomaly**

163, 151, 165

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 175, 141, 181 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(175, 141, 181)` looks like.

```
.text, #text, p{  
    color:rgb(175, 141, 181)  
}
```

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(175, 141, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 141, 181) }
```

## Border

The CSS property to change the border of an element to RYB 175, 141, 181 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(175, 141, 181) }
```

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

```
.border{ border-color:rgb(175, 141, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 141, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 141, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 141, 181);  
box-shadow:4px 4px 4px 4px rgb(175, 141,  
181) }
```

# Background

The CSS property to change the background color of an element to RYB 175, 141, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 141, 181) }
```

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

```
.background{ background-color: rgb(175,  
141, 181) }
```

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