

# Converting Colors

`RYB(181, 144, 213)`

Have a look what the booklet for  
RYB(181, 144, 213) contains.

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# Color

**R<sub>Y</sub>B(181, 144, 213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B590D5
RGB	181, 144, 213
RGB Percent	71%, 56%, 84%
CMY	0.2902, 0.4353, 0.1647
CMYK	0.15, 0.32, 0.00, 0.16
HSL	272°, 45%, 70%
HSV	272°, 32%, 84%
XYZ	41.0396, 34.5744, 67.4613
YIQ	162.9290, -0.0970, 29.3030

# Conversions

## Conversions Part 2

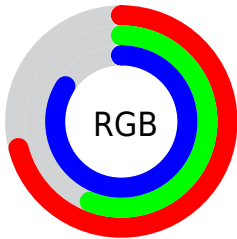
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 144, 213
Decimal	11899093
CIELab	65.42, 26.98, -30.13
CIELCh	65, 40.445, 311.846
Yxy	34.5744, 0.2868, 0.2417
Android (android.graphics.Color)	4290089173 (0xFFB590D5)
YUV	162.9290, 24.6850, 15.8483
Hunter-Lab	58.8000, 21.6845, -26.8635

# Details

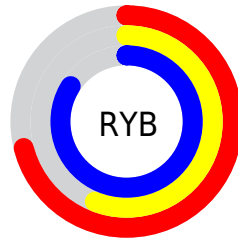
The RYB color **181, 144, 213** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **144, 213, 181**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **238, 198, 255**, and **127, 93, 158** is the 20% darker color. If you saturate the color by 10%, you get **171, 123, 213**, and if you desaturate by 10%, it is **191, 165, 213**.

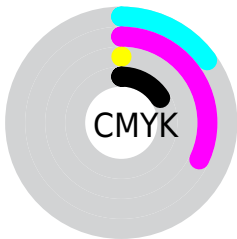
# Distribution



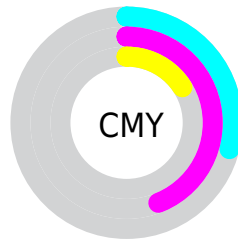
- Red (71%)
- Green (56%)
- Blue (84%)



- Red (71%)
- Yellow (56%)
- Blue (84%)



- Cyan (15%)
- Magenta (32%)
- Yellow (0%)
- Black (16%)



- Cyan (29%)
- Magenta (44%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 181, 144, 213 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 181, 144, 213 by changing the saturation by 10% instead.



■ 181, 144, 213

255, 255, 255

■ 238, 198, 255

■ 255, 226, 255

■ 181, 144, 213

■ 154, 118, 185

■ 127, 93, 158

■ 101, 69, 132

■ 76, 46, 106


■ 52, 24, 82


■ 29, 1, 58


■ 0, 0, 36


■ 0, 0, 12


■ 0, 0, 0


 181, 144, 213


 181, 144, 213


 171, 123, 213


 191, 165, 213

 161, 101, 213

 201, 187, 213

 151, 80, 213

 211, 208, 213

 141, 59, 213


 213, 229, 221

 132, 38, 213

 213, 251, 234

 122, 16, 213

 213, 255, 228

 114, 0, 213

 213, 255, 218

 213, 255, 213

# Harmonies

## Analogous

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



128, 151, 230



181, 144, 213



215, 133, 182

# Triad

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



181, 144, 213



185, 200, 90



0, 91, 178

# Complementary

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



181, 144, 213



144, 213, 181

# 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, 140, 176



181, 144, 213



94, 168, 86

# Square

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



181, 144, 213



222, 144, 112



103, 171, 146



0, 95, 206

# Rectangle

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



181, 144, 213



226, 130, 158



103, 171, 146



30, 109, 178



# Sweetspot

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



181, 144, 213



243, 230, 255



144, 166, 213



120, 112, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



181, 144, 213



209, 156, 255



213, 144, 211



102, 96, 107



92, 0, 171



23, 0, 43



# Inverse Universe

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



213, 144, 176



255, 156, 202



144, 211, 213



107, 96, 101



171, 0, 79



43, 0, 20



# Previews

## White Background



This preview shows how the RYB color 181, 144, 213 looks on a white background.

## Color Contrast Check

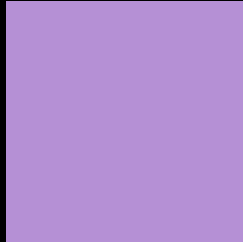
Large Text (above 18pt) WCAG AA × Fail

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 181, 144, 213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

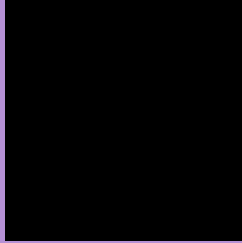
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 181, 144, 213 Background



This preview shows how black text looks on a background with the RYB color 181, 144, 213.

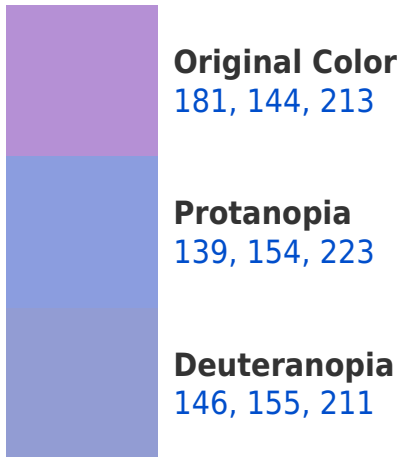


This preview shows how white text looks on a background with the RYB color 181, 144, 213.

# 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**  
173, 153, 165

# Trichromacy



**Original Color**  
181, 144, 213

**Protanomaly**  
154, 152, 219

**Deuteranomaly**  
159, 152, 212

**Tritanomaly**  
176, 150, 182

# Monochromacy



**Original Color**  
181, 144, 213

**Achromatopsia**  
163, 163, 163

**Achromatomaly**  
170, 156, 181

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 181, 144, 213 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(181, 144, 213)` looks like.

```
.text, #text, p{  
    color:rgb(181, 144, 213)  
}
```

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(181, 144, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 144, 213) }
```

## Border

The CSS property to change the border of an element to RYB 181, 144, 213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

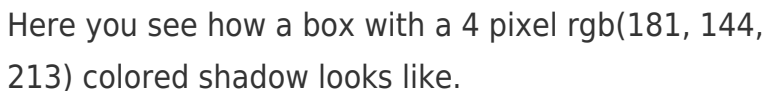
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 144, 213) }
```

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

```
.border{ border-color:rgb(181, 144, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 144, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 144, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 144, 213);  
box-shadow:4px 4px 4px 4px rgb(181, 144,  
213) }
```

# Background

The CSS property to change the background color of an element to RYB 181, 144, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 144, 213) }
```

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

```
.background{ background-color: rgb(181,  
144, 213) }
```

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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