

# Converting Colors

`RYB(187, 153, 181)`

Have a look what the booklet for  
RYB(187, 153, 181) contains.

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# Color

**R<sub>Y</sub>B(187, 153, 181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB99B5
RGB	187, 153, 181
RGB Percent	73%, 60%, 71%
CMY	0.2667, 0.4000, 0.2902
CMYK	0.00, 0.18, 0.03, 0.27
HSL	311°, 20%, 67%
HSV	311°, 18%, 73%
XYZ	40.2252, 36.6835, 48.6766
YIQ	166.3580, 11.2760, 15.9160

# Conversions

## Conversions Part 2

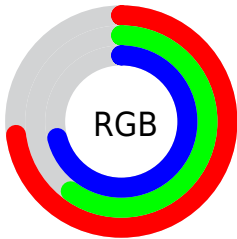
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 153, 181
Decimal	12294581
CIELab	67.04, 17.47, -9.76
CIELCh	67, 20.010, 330.819
Yxy	36.6835, 0.3203, 0.2921
Android (android.graphics.Color)	4290484661 (0xFFBB99B5)
YUV	166.3580, 7.2185, 18.1030
Hunter-Lab	60.5669, 12.5580, -5.2536

# Details

The RYB color **187, 153, 181** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **153, 182, 187**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **243, 207, 237**, and **134, 102, 128** is the 20% darker color. If you saturate the color by 10%, you get **187, 134, 178**, and if you desaturate by 10%, it is **187, 172, 184**.

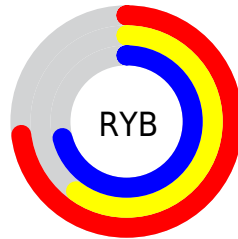
# Distribution



Red (73%)

Green (60%)

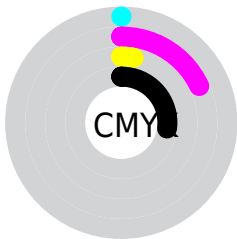
Blue (71%)



Red (73%)

Yellow (60%)

Blue (71%)

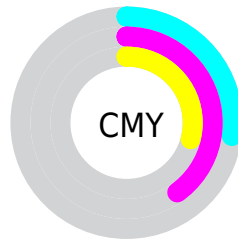


Cyan (0%)

Magenta (18%)

Yellow (3%)

Black (27%)



Cyan (27%)

Magenta (40%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 187, 153, 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 187, 153, 181 by changing the saturation by 10% instead.




 187, 153, 181

255, 255, 255

 243, 207, 237

 255, 236, 255

 187, 153, 181

 160, 127, 154

 134, 102, 128

 108, 78, 103

 83, 54, 79


 60, 33, 56

 38, 12, 35

 7, 0, 11

 0, 0, 0

 187, 153, 181

 187, 153, 181

187, 134, 178

187, 172, 184

187, 116, 174

187, 189, 190

187, 97, 171

187, 206, 209

187, 78, 168

187, 222, 228

187, 59, 165

187, 237, 246

187, 41, 161

187, 243, 255

187, 22, 158

187, 241, 255

187, 3, 155

187, 240, 255

187, 0, 154

187, 237, 255

# Harmonies

## Analogous

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



167, 158, 194



187, 153, 181



199, 150, 163

# Triad

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



187, 153, 181



147, 176, 127



113, 145, 181

# Complementary

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



187, 153, 181



153, 182, 187

# 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.



120, 149, 173



187, 153, 181



132, 168, 143

# Square

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



187, 153, 181



192, 172, 132



136, 165, 172



122, 151, 194

# Rectangle

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



187, 153, 181



201, 151, 151



136, 165, 172



114, 144, 175



# Sweetspot

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



187, 153, 181



242, 230, 240



159, 153, 187



122, 115, 121



250, 250, 250



122, 122, 122



# Same Dimension

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



187, 153, 181



242, 189, 233



187, 153, 164



94, 85, 93



158, 0, 130



31, 0, 25



# Inverse Universe

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



187, 153, 181



242, 189, 233



153, 173, 187



94, 85, 93



158, 0, 130



31, 0, 25



# Previews

## White Background



This preview shows how the RYB color 187, 153, 181 looks on a white background.

## Color Contrast Check

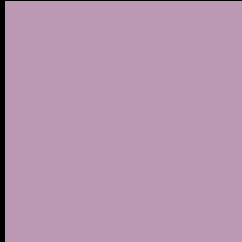
Large Text (above 18pt) WCAG AA × Fail

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 187, 153, 181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

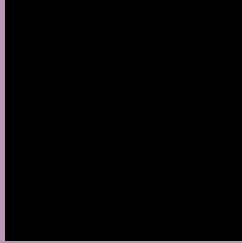
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 187, 153, 181 Background



This preview shows how black text looks on a background with the RYB color 187, 153, 181.



This preview shows how white text looks on a background with the RYB color 187, 153, 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**  
187, 153, 181

**Protanopia**  
159, 162, 187

**Deuteranopia**  
172, 159, 180



**Tritanopia**  
185, 155, 167

# Trichromacy



**Original Color**  
187, 153, 181

**Protanomaly**  
169, 159, 185

**Deuteranomaly**  
177, 157, 180

**Tritanomaly**  
186, 154, 172

# Monochromacy



**Original Color**  
187, 153, 181

**Achromatopsia**  
166, 166, 166

**Achromatomaly**  
174, 161, 171

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 187, 153, 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(187, 153, 181)` looks like.

```
.text, #text, p{  
    color:rgb(187, 153, 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(187, 153, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 153, 181) }
```

## Border

The CSS property to change the border of an element to RYB 187, 153, 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(187, 153, 181) }
```

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

```
.border{ border-color:rgb(187, 153, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 153, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 153, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 153, 181);  
box-shadow:4px 4px 4px 4px rgb(187, 153,  
181) }
```

# Background

The CSS property to change the background color of an element to RYB 187, 153, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 153, 181) }
```

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

```
.background{ background-color: rgb(187,  
153, 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](#).



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