

Converting Colors

`RYB(187, 161, 207)`

Have a look what the booklet for
RYB(187, 161, 207) contains.

RYB(187, 161, 207)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(187, 161, 207)

Conversions

Conversions Part 1

Format	Color
Hex	BBA1CF
RGB	187, 161, 207
RGB Percent	73%, 63%, 81%
CMY	0.2667, 0.3686, 0.1882
CMYK	0.10, 0.22, 0.00, 0.19
HSL	274°, 32%, 72%
HSV	274°, 22%, 81%
XYZ	44.5009, 40.5595, 64.5148
YIQ	174.0180, 0.7300, 19.8180

Conversions

Conversions Part 2

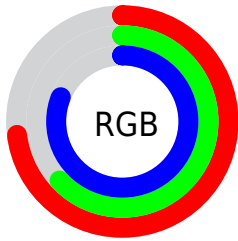
Format	Color
R _{YB}	187, 161, 207
Decimal	12296655
CIE _{Lab}	69.87, 18.14, -19.94
CIE _{LCh}	70, 26.954, 312.296
Y _{xy}	40.5595, 0.2975, 0.2712
Android (android.graphics.Color)	4290486735 (0xFFBBA1CF)
YUV	174.0180, 16.2601, 11.3852
Hunter-Lab	63.6864, 13.2758, -15.4808

Details

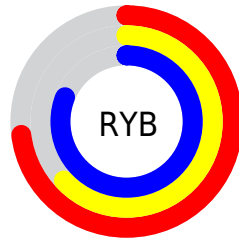
The RYB color **187, 161, 207** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **161, 207, 187**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **243, 216, 255**, and **133, 109, 153** is the 20% darker color. If you saturate the color by 10%, you get **178, 140, 207**, and if you desaturate by 10%, it is **196, 182, 207**.

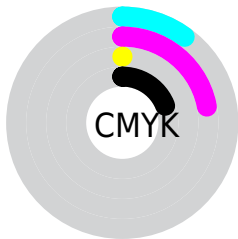
Distribution



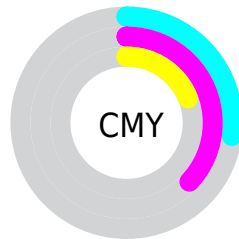
- Red (73%)
- Green (63%)
- Blue (81%)



- Red (73%)
- Yellow (63%)
- Blue (81%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)
- Black (19%)



- Cyan (27%)
- Magenta (37%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 187, 161, 207 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, 161, 207 by changing the saturation by 10% instead.


 187, 161, 207

255, 255, 255

 243, 216, 255

 255, 244, 255

 187, 161, 207

 160, 135, 179

 133, 109, 153

 108, 85, 127

 83, 61, 101

 59, 39, 77

 37, 18, 54

 19, 0, 33

 0, 0, 6

 0, 0, 0

■ 187, 161, 207

■ 187, 161, 207

■ 178, 140, 207

■ 196, 182, 207

■ 169, 120, 207

■ 205, 202, 207

■ 160, 99, 207

■ 207, 223, 216

■ 151, 78, 207

■ 207, 244, 228

■ 142, 57, 207

■ 207, 255, 230

■ 133, 37, 207

■ 207, 255, 221

■ 124, 16, 207

■ 207, 255, 212

■ 117, 0, 207

■ 207, 255, 207

Harmonies

Analogous

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



154, 167, 218



187, 161, 207



210, 155, 186

Triad

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



187, 161, 207



197, 201, 125



101, 144, 184

Complementary

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



187, 161, 207



161, 207, 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.



123, 162, 183



187, 161, 207



130, 178, 123

Square

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



187, 161, 207



216, 162, 139



134, 179, 162



98, 145, 203

Rectangle

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



187, 161, 207



218, 153, 170



134, 179, 162



107, 149, 184

Sweetspot

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



187, 161, 207



247, 237, 255



161, 175, 207



123, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



187, 161, 207



225, 186, 255



207, 161, 205



100, 94, 105



95, 0, 168



23, 0, 41

Inverse Universe

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



207, 161, 181



255, 186, 216



161, 205, 207



105, 94, 99



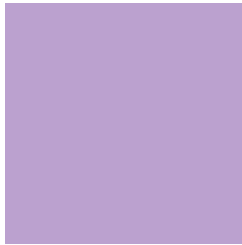
168, 0, 73



41, 0, 18

Previews

White Background



This preview shows how the RYB color 187, 161, 207 looks on a white background.

Color Contrast Check

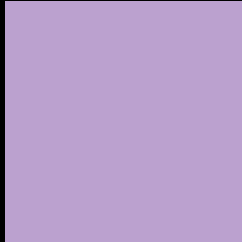
Large Text (above 18pt) WCAG AA × Fail

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, 161, 207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

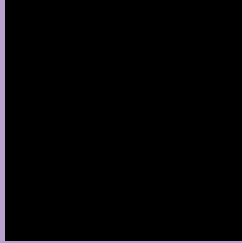
Any Text WCAG AA ✓ Pass

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, 161, 207 Background



This preview shows how black text looks on a background with the RYB color 187, 161, 207.



This preview shows how white text looks on a background with the RYB color 187, 161, 207.

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, 161, 207

Protanopia
160, 168, 213

Deuteranopia
170, 167, 206



Tritanopia
183, 166, 179

Trichromacy



Original Color
187, 161, 207

Protanomaly
170, 166, 211

Deuteranomaly
176, 165, 206

Tritanomaly
184, 164, 189

Monochromacy



Original Color
187, 161, 207

Achromatopsia
174, 174, 174

Achromatomaly
179, 169, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 161, 207 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, 161, 207)` looks like.

```
.text, #text, p{  
    color:rgb(187, 161, 207)  
}
```

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, 161, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 161, 207) }
```

Border

The CSS property to change the border of an element to RYB 187, 161, 207 is called "border". The border property can be set on classes, ids or directly on the HTML element.

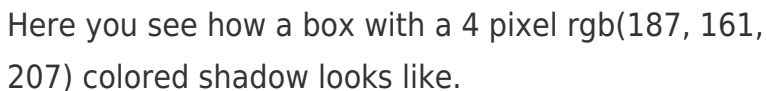
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 161, 207) }
```

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

```
.border{ border-color:rgb(187, 161, 207) }
```

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



Here you see how a box with a 4 pixel rgb(187, 161, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 161, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 161, 207);  
box-shadow:4px 4px 4px 4px rgb(187, 161,  
207) }
```

Background

The CSS property to change the background color of an element to RYB 187, 161, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 161, 207) }
```

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

```
.background{ background-color: rgb(187,  
161, 207) }
```

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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