

Converting Colors

`RYB(186, 181, 234)`

Have a look what the booklet for RYB(186, 181, 234) contains.

RYB(186, 181, 234)	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(186, 181, 234)

Conversions

Conversions Part 1

Format	Color
Hex	BAB5EA
RGB	186, 181, 234
RGB Percent	73%, 71%, 92%
CMY	0.2706, 0.2902, 0.0824
CMYK	0.21, 0.23, 0.00, 0.08
HSL	246°, 56%, 81%
HSV	246°, 23%, 92%
XYZ	51.6249, 49.4274, 84.6614
YIQ	188.5370, -14.0330, 17.5430

Conversions

Conversions Part 2

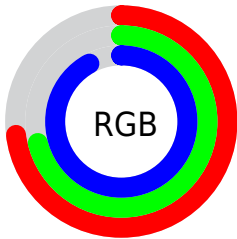
Format	Color
R _{YB}	186, 181, 234
Decimal	12236266
CIE _{Lab}	75.72, 12.62, -25.78
CIE _{LCh}	76, 28.703, 296.091
Y _{xy}	49.4274, 0.2780, 0.2661
Android (android.graphics.Color)	4290426346 (0xFFBAB5EA)
YUV	188.5370, 22.4133, -2.2249
Hunter-Lab	70.3046, 8.0400, -22.1843

Details

The RYB color **186, 181, 234** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **181, 234, 186**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **243, 237, 255**, and **132, 128, 178** is the 20% darker color. If you saturate the color by 10%, you get **165, 158, 234**, and if you desaturate by 10%, it is **207, 204, 234**.

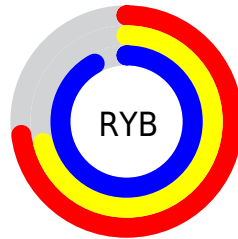
Distribution



Red (73%)

Green (71%)

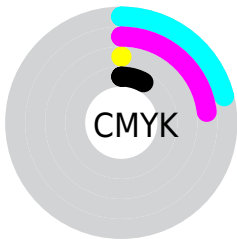
Blue (92%)



Red (73%)

Yellow (71%)

Blue (92%)

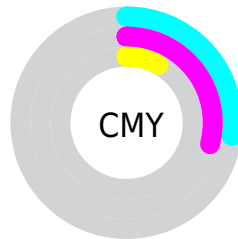


Cyan (21%)

Magenta (23%)

Yellow (0%)

Black (8%)



Cyan (27%)

Magenta (29%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 186, 181, 234 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 186, 181, 234 by changing the saturation by 10% instead.

■ 186, 181, 234

255, 255, 255

■ 243, 237, 255

■ 186, 181, 234

■ 159, 154, 206

■ 132, 128, 178

■ 106, 103, 151

■ 81, 79, 125

■ 57, 56, 100

■ 33, 35, 76

■ 9, 13, 53

■ 0, 2, 31

■ 0, 0, 3

■ 186, 181, 234

■ 186, 181, 234

■ 165, 158, 234

■ 207, 204, 234

■ 144, 134, 234

■ 228, 228, 234

■ 122, 111, 234

■ 234, 251, 235

■ 101, 87, 234

■ 234, 255, 234

■ 80, 64, 234

■ 59, 41, 234

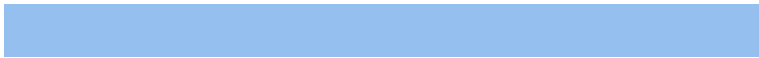
■ 38, 17, 234

■ 22, 0, 234

Harmonies

Analogous

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



148, 177, 239



186, 181, 234



217, 172, 216

Triad

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



186, 181, 234



230, 192, 144



123, 167, 201

Complementary

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



186, 181, 234



181, 234, 186

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.



151, 193, 198



186, 181, 234



172, 209, 134

Square

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



186, 181, 234



240, 169, 165



139, 192, 150



107, 156, 209

Rectangle

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



186, 181, 234



231, 169, 200



139, 192, 150



131, 175, 201

Sweetspot

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



186, 181, 234



239, 237, 255



181, 206, 234



118, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



186, 181, 234



193, 186, 255



212, 181, 234



107, 106, 117



17, 0, 181



5, 0, 54

Inverse Universe

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



234, 181, 229



255, 186, 249



181, 234, 212



117, 106, 116



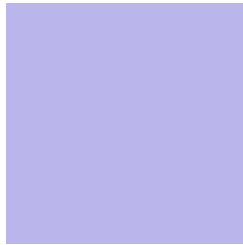
181, 0, 164



54, 0, 48

Previews

White Background



This preview shows how the RYB color 186, 181, 234 looks on a white background.

Color Contrast Check

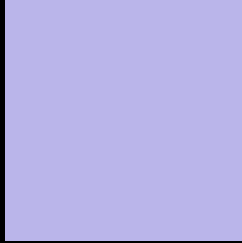
Large Text (above 18pt) WCAG AA × Fail

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 186, 181, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

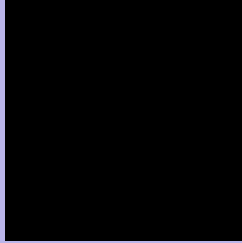
Any Text WCAG AA ✓ Pass

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 186, 181, 234 Background



This preview shows how black text looks on a background with the RYB color 186, 181, 234.

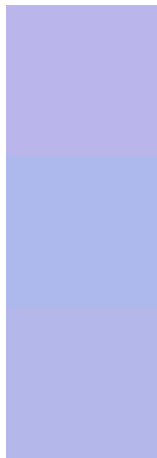


This preview shows how white text looks on a background with the RYB color 186, 181, 234.

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](#).

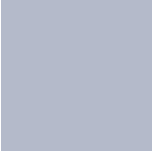
Dichromacy



Original Color
186, 181, 234

Protanopia
173, 183, 237

Deuteranopia
180, 183, 234



Tritanopia
180, 185, 202

Trichromacy



Original Color
186, 181, 234

Protanomaly
178, 183, 236

Deuteranomaly
182, 182, 234

Tritanomaly
182, 185, 214

Monochromacy



Original Color
186, 181, 234

Achromatopsia
189, 189, 189

Achromatomaly
188, 186, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 186, 181, 234 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(186, 181, 234)` looks like.

```
.text, #text, p{  
    color:rgb(186, 181, 234)  
}
```

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(186, 181, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 181, 234) }
```

Border

The CSS property to change the border of an element to RYB 186, 181, 234 is called "border". The border property can be set on classes, ids or directly on the HTML element.

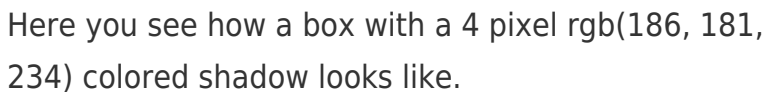
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 181, 234) }
```

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

```
.border{ border-color:rgb(186, 181, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 181, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 181, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 181, 234); box-shadow:4px 4px 4px 4px rgb(186, 181, 234) }
```

Background

The CSS property to change the background color of an element to RYB 186, 181, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 181, 234) }
```

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

```
.background{ background-color: rgb(186,  
181, 234) }
```

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