

Converting Colors

`RYB(181, 167, 233)`

Have a look what the booklet for
RYB(181, 167, 233) contains.

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Color

R_YB(181, 167, 233)

Conversions

Conversions Part 1

Format	Color
Hex	B5A7E9
RGB	181, 167, 233
RGB Percent	71%, 65%, 91%
CMY	0.2902, 0.3451, 0.0863
CMYK	0.22, 0.28, 0.00, 0.09
HSL	253°, 60%, 78%
HSV	253°, 28%, 91%
XYZ	47.5828, 43.3444, 82.9492
YIQ	178.7100, -12.8420, 23.4940

Conversions

Conversions Part 2

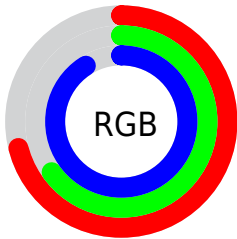
Format	Color
R_{YB}	181, 167, 233
Decimal	11905001
CIE _{Lab}	71.79, 18.62, -31.30
CIE _{LCh}	72, 36.421, 300.743
Yxy	43.3444, 0.2737, 0.2493
Android (android.graphics.Color)	4290095081 (0xFFB5A7E9)
YUV	178.7100, 26.7650, 2.0083
Hunter-Lab	65.8365, 13.7956, -28.6156

Details

The RYB color **181, 167, 233** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **167, 233, 181**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **238, 222, 255**, and **127, 115, 177** is the 20% darker color. If you saturate the color by 10%, you get **163, 144, 233**, and if you desaturate by 10%, it is **199, 190, 233**.

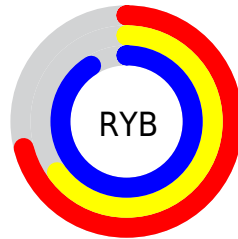
Distribution



Red (71%)

Green (65%)

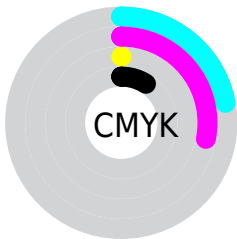
Blue (91%)



Red (71%)

Yellow (65%)

Blue (91%)

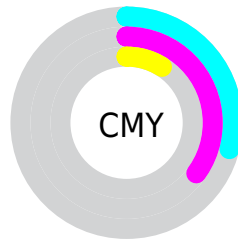


Cyan (22%)

Magenta (28%)

Yellow (0%)

Black (9%)



Cyan (29%)

Magenta (35%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 181, 167, 233 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, 167, 233 by changing the saturation by 10% instead.

■ 181, 167, 233

255, 255, 255

■ 238, 222, 255

■ 255, 251, 255

■ 181, 167, 233

■ 154, 141, 205

■ 127, 115, 177

■ 101, 90, 150

■ 76, 67, 124


■ 51, 45, 99


■ 26, 24, 75


■ 5, 0, 52


■ 0, 2, 30

■ 0, 0, 0

 181, 167, 233


 181, 167, 233

 163, 144, 233


 199, 190, 233

 144, 120, 233

 218, 214, 233

 126, 97, 233

 233, 237, 234

 108, 74, 233

 233, 255, 234

 89, 51, 233

 233, 255, 233

 71, 27, 233

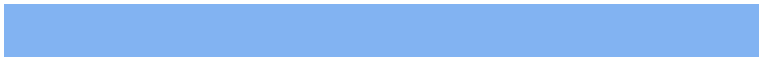
 52, 4, 233

 49, 0, 233

Harmonies

Analogous

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



130, 164, 242



181, 167, 233



219, 156, 209

Triad

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



181, 167, 233



225, 194, 119



81, 142, 194

Complementary

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



181, 167, 233



167, 233, 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.



123, 176, 191



181, 167, 233



140, 197, 109

Square

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



181, 167, 233



240, 154, 144



118, 184, 139



49, 125, 209

Rectangle

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



181, 167, 233



234, 151, 188



118, 184, 139



95, 153, 193

Sweetspot

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



181, 167, 233



239, 235, 255



167, 196, 233



117, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



181, 167, 233



187, 168, 255



213, 167, 233



108, 106, 117



38, 0, 181



11, 0, 54

Inverse Universe

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



233, 167, 219



255, 168, 237



167, 233, 213



117, 106, 115



181, 0, 143



54, 0, 42

Previews

White Background



This preview shows how the RYB color 181, 167, 233 looks on a white background.

Color Contrast Check

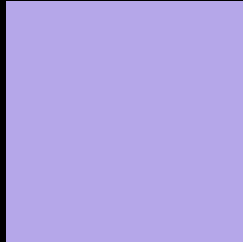
Large Text (above 18pt) WCAG AA × Fail

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, 167, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

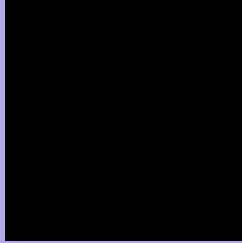
Any Text WCAG AA ✓ Pass

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, 167, 233 Background



This preview shows how black text looks on a background with the RYB color 181, 167, 233.



This preview shows how white text looks on a background with the RYB color 181, 167, 233.

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
181, 167, 233

Protanopia
157, 171, 238

Deuteranopia
163, 172, 232



Tritanopia
173, 175, 189

Trichromacy



Original Color
181, 167, 233

Protanomaly
166, 171, 236

Deuteranomaly
170, 171, 232

Tritanomaly
176, 172, 205

Monochromacy



Original Color
181, 167, 233

Achromatopsia
179, 179, 179

Achromatomaly
180, 175, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 167, 233 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, 167, 233)` looks like.

```
.text, #text, p{  
    color:rgb(181, 167, 233)  
}
```

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, 167, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 167, 233) }
```

Border

The CSS property to change the border of an element to RYB 181, 167, 233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

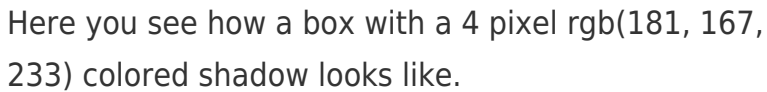
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 167, 233) }
```

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

```
.border{ border-color:rgb(181, 167, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 167, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 167, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 167, 233);  
box-shadow:4px 4px 4px 4px rgb(181, 167,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 181, 167, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 167, 233) }
```

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

```
.background{ background-color: rgb(181,  
167, 233) }
```

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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