

Converting Colors

`RYB(191, 181, 229)`

Have a look what the booklet for RYB(191, 181, 229) contains.

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Color

R_YB(191, 181, 229)

Conversions

Conversions Part 1

Format	Color
Hex	BFB5E5
RGB	191, 181, 229
RGB Percent	75%, 71%, 90%
CMY	0.2510, 0.2902, 0.1020
CMYK	0.17, 0.21, 0.00, 0.10
HSL	252°, 48%, 80%
HSV	252°, 21%, 90%
XYZ	52.1526, 49.7813, 80.9887
YIQ	189.4620, -9.4480, 17.0480

Conversions

Conversions Part 2

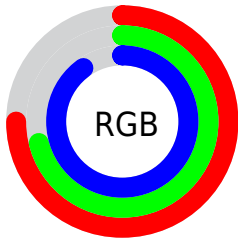
Format	Color
R_{YB}	191, 181, 229
Decimal	12563941
CIE _{Lab}	75.93, 13.07, -22.70
CIE _{LCh}	76, 26.195, 299.925
Yxy	49.7813, 0.2851, 0.2721
Android (android.graphics.Color)	4290754021 (0xFFBFB5E5)
YUV	189.4620, 19.4922, 1.3488
Hunter-Lab	70.5558, 8.4687, -18.6680

Details

The RYB color **191, 181, 229** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **181, 229, 191**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **248, 237, 255**, and **137, 128, 173** is the 20% darker color. If you saturate the color by 10%, you get **173, 158, 229**, and if you desaturate by 10%, it is **209, 204, 229**.

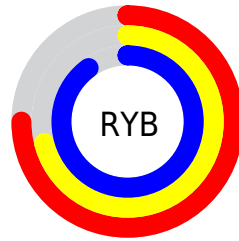
Distribution



Red (75%)

Green (71%)

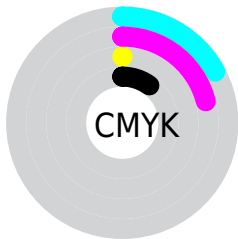
Blue (90%)



Red (75%)

Yellow (71%)

Blue (90%)

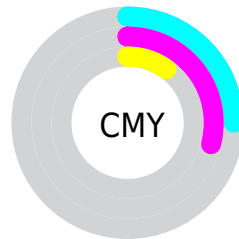


Cyan (17%)

Magenta (21%)

Yellow (0%)

Black (10%)



Cyan (25%)


Magenta (29%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the RYB color 191, 181, 229 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 191, 181, 229 by changing the saturation by 10% instead.

 191, 181, 229


255, 255, 255

 248, 237, 255

 191, 181, 229

 164, 154, 201

 137, 128, 173

 111, 103, 147

 86, 79, 121

 62, 56, 96

 39, 35, 72

 17, 14, 49

 0, 2, 28

 0, 0, 0

■ 191, 181, 229

■ 191, 181, 229

■ 173, 158, 229

■ 209, 204, 229

■ 155, 135, 229

■ 227, 227, 229

■ 137, 112, 229

■ 229, 250, 234

■ 118, 89, 229

■ 229, 255, 229

■ 100, 66, 229

■ 82, 44, 229

■ 64, 21, 229

■ 48, 0, 229

Harmonies

Analogous

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



158, 180, 235



191, 181, 229



218, 174, 212

Triad

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



191, 181, 229



225, 200, 146



127, 168, 201

Complementary

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



191, 181, 229



181, 229, 191

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, 189, 198



191, 181, 229



166, 205, 139

Square

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



191, 181, 229



236, 172, 164



145, 193, 159



117, 161, 210

Rectangle

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



191, 181, 229



230, 170, 196



145, 193, 159



134, 174, 200

Sweetspot

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



191, 181, 229



243, 240, 255



181, 202, 229



120, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



191, 181, 229



205, 191, 255



215, 181, 229



106, 103, 115



37, 0, 179



11, 0, 51

Inverse Universe

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



229, 181, 219



255, 191, 242



181, 229, 215



115, 103, 112



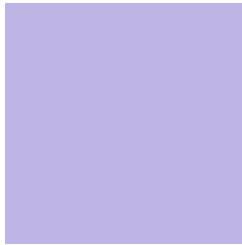
179, 0, 141



51, 0, 40

Previews

White Background



This preview shows how the RYB color 191, 181, 229 looks on a white background.

Color Contrast Check

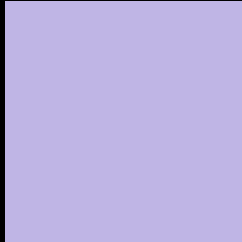
Large Text (above 18pt) WCAG AA × Fail

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 191, 181, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

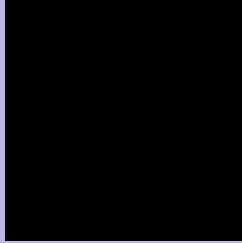
Any Text WCAG AA ✓ Pass

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](#).

RYP 191, 181, 229 Background



This preview shows how black text looks on a background with the RYB color 191, 181, 229.



This preview shows how white text looks on a background with the RYB color 191, 181, 229.

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](#).

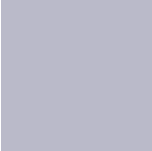
Dichromacy



Original Color
191, 181, 229

Protanopia
176, 184, 232

Deuteranopia
185, 183, 229



Tritanopia
186, 186, 201

Trichromacy



Original Color
191, 181, 229

Protanomaly
181, 184, 231

Deuteranomaly
187, 182, 229

Tritanomaly
188, 184, 211

Monochromacy



Original Color
191, 181, 229

Achromatopsia
189, 189, 189

Achromatomaly
190, 186, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 191, 181, 229 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(191, 181, 229)` looks like.

```
.text, #text, p{  
    color:rgb(191, 181, 229)  
}
```

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(191, 181, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 181, 229) }
```

Border

The CSS property to change the border of an element to RYB 191, 181, 229 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(191, 181, 229) }
```

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

```
.border{ border-color:rgb(191, 181, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 181, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 181, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 181, 229);  
box-shadow:4px 4px 4px 4px rgb(191, 181,  
229) }
```

Background

The CSS property to change the background color of an element to RYB 191, 181, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 181, 229) }
```

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

```
.background{ background-color: rgb(191,  
181, 229) }
```

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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