

Converting Colors

`RYB(181, 157, 214)`

Have a look what the booklet for RYB(181, 157, 214) contains.

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Color

R_YB(181, 157, 214)

Conversions

Conversions Part 1

Format	Color
Hex	B59DD6
RGB	181, 157, 214
RGB Percent	71%, 62%, 84%
CMY	0.2902, 0.3843, 0.1608
CMYK	0.15, 0.27, 0.00, 0.16
HSL	265°, 41%, 73%
HSV	265°, 27%, 84%
XYZ	43.2506, 38.7927, 68.8265
YIQ	170.6740, -3.9930, 22.8150

Conversions

Conversions Part 2

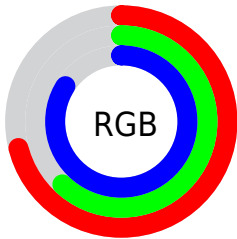
Format	Color
RYB	181, 157, 214
Decimal	11902422
CIELab	68.60, 19.92, -25.78
CIElCh	69, 32.581, 307.696
Yxy	38.7927, 0.2867, 0.2571
Android (android.graphics.Color)	4290092502 (0xFFB59DD6)
YUV	170.6740, 21.3597, 9.0559
Hunter-Lab	62.2838, 14.9558, -21.9195

Details

The RYB color **181, 157, 214** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **157, 214, 181**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **237, 212, 255**, and **127, 106, 159** is the 20% darker color. If you saturate the color by 10%, you get **169, 136, 214**, and if you desaturate by 10%, it is **193, 178, 214**.

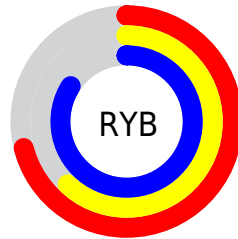
Distribution



Red (71%)

Green (62%)

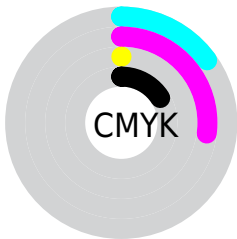
Blue (84%)



Red (71%)

Yellow (62%)

Blue (84%)

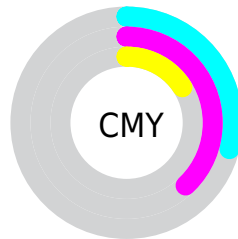


Cyan (15%)

Magenta (27%)

Yellow (0%)

Black (16%)



Cyan (29%)


Magenta (38%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the RYB color 181, 157, 214 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, 157, 214 by changing the saturation by 10% instead.


 181, 157, 214

 181, 157, 214

255, 255, 255

 154, 131, 186


 237, 212, 255


 127, 106, 159

 255, 240, 255

 102, 81, 133

 77, 58, 107


 53, 36, 83


 30, 15, 60


 7, 0, 38


 0, 1, 14

 0, 0, 0

 181, 157, 214

 181, 157, 214

 169, 136, 214


 193, 178, 214

 156, 114, 214

 206, 200, 214

 144, 93, 214

 214, 221, 217

 131, 71, 214


 214, 243, 226


 119, 50, 214

 214, 255, 226

 107, 29, 214

 214, 255, 214

 94, 7, 214

 90, 0, 214

Harmonies

Analogous

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



139, 161, 225



181, 157, 214



211, 148, 190

Triad

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



181, 157, 214



206, 200, 113



79, 133, 183

Complementary

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



181, 157, 214



157, 214, 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.



113, 161, 182



181, 157, 214



123, 180, 109

Square

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



181, 157, 214



223, 152, 133



120, 176, 148



65, 128, 202

Rectangle

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



181, 157, 214



222, 145, 171



120, 176, 148



90, 142, 183

Sweetspot

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



181, 157, 214



243, 235, 255



157, 178, 214



120, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



181, 157, 214



208, 173, 255



209, 157, 214



101, 96, 107



72, 0, 171



18, 0, 43

Inverse Universe

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



214, 157, 190



255, 173, 221



157, 214, 209



107, 96, 103



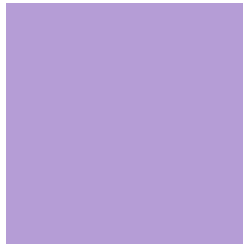
171, 0, 99



43, 0, 25

Previews

White Background



This preview shows how the RYB color 181, 157, 214 looks on a white background.

Color Contrast Check

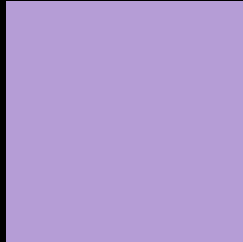
Large Text (above 18pt) WCAG AA × Fail

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, 157, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

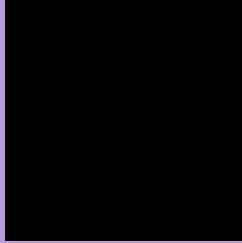
Any Text WCAG AA ✓ Pass

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, 157, 214 Background



This preview shows how black text looks on a background with the RYB color 181, 157, 214.



This preview shows how white text looks on a background with the RYB color 181, 157, 214.

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, 157, 214

Protanopia
153, 163, 220

Deuteranopia
160, 164, 213



Tritanopia

175, 164, 177

Trichromacy



Original Color
181, 157, 214

Protanomaly
163, 162, 218

Deuteranomaly
168, 161, 213

Tritanomaly
177, 161, 190

Monochromacy



Original Color
181, 157, 214

Achromatopsia
171, 171, 171

Achromatomaly
175, 166, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 157, 214 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, 157, 214)` looks like.

```
.text, #text, p{  
    color:rgb(181, 157, 214)  
}
```

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, 157, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 157, 214) }
```

Border

The CSS property to change the border of an element to RYB 181, 157, 214 is called "border". The border property can be set on classes, ids or directly on the HTML element.

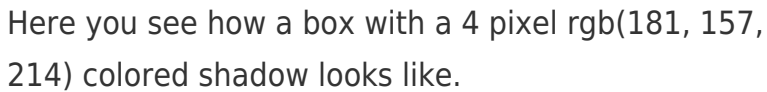
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 157, 214) }
```

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

```
.border{ border-color:rgb(181, 157, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 157, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 157, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 157, 214);  
box-shadow:4px 4px 4px 4px rgb(181, 157,  
214) }
```

Background

The CSS property to change the background color of an element to RYB 181, 157, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 157, 214) }
```

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

```
.background{ background-color: rgb(181,  
157, 214) }
```

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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