

Converting Colors

`RYB(171, 107, 214)`

Have a look what the booklet for
RYB(171, 107, 214) contains.

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Color

`RYB(171, 107, 214)`

Conversions

Conversions Part 1

Format	Color
Hex	AB6BD6
RGB	171, 107, 214
RGB Percent	67%, 42%, 84%
CMY	0.3294, 0.5804, 0.1608
CMYK	0.20, 0.50, 0.00, 0.16
HSL	276°, 57%, 63%
HSV	276°, 50%, 84%
XYZ	34.1899, 24.0284, 66.4543
YIQ	138.3340, 3.7970, 46.8450

Conversions

Conversions Part 2

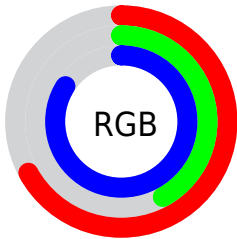
Format	Color
R _Y B	171, 107, 214
Decimal	11234262
CIE Lab	56.12, 44.75, -45.31
CIE LCh	56, 63.684, 314.643
Yxy	24.0284, 0.2742, 0.1927
Android (android.graphics.Color)	4289424342 (0xFFAB6BD6)
YUV	138.3340, 37.3033, 28.6481
Hunter-Lab	49.0187, 38.7185, -46.0658

Details

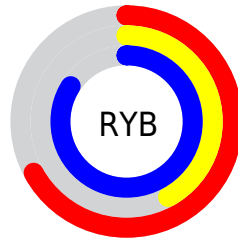
The RYB color **171, 107, 214** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **107, 214, 171**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **228, 160, 255**, and **116, 56, 159** is the 20% darker color. If you saturate the color by 10%, you get **162, 86, 214**, and if you desaturate by 10%, it is **180, 128, 214**.

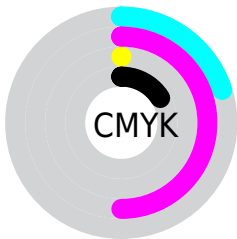
Distribution



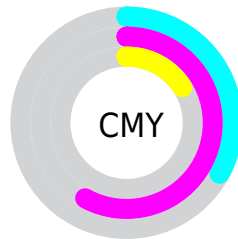
- Red (67%)
- Green (42%)
- Blue (84%)



- Red (67%)
- Yellow (42%)
- Blue (84%)



- Cyan (20%)
- Magenta (50%)
- Yellow (0%)
- Black (16%)




- Cyan (33%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 107, 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 171, 107, 214 by changing the saturation by 10% instead.

 171, 107, 214


255, 255, 255

 228, 160, 255

 255, 188, 255

 255, 216, 255


 255, 245, 255

 171, 107, 214

 143, 81, 186

 116, 56, 159

 89, 31, 132

 63, 1, 106


 36, 0, 82


 8, 0, 58

 0, 2, 35


 0, 0, 10


 0, 0, 0

 171, 107, 214

 171, 107, 214

 162, 86, 214

 180, 128, 214


 154, 64, 214

 188, 150, 214

 145, 43, 214

 197, 171, 214

 137, 21, 214

 205, 193, 214

 128, 0, 214

 214, 214, 214

 214, 235, 226

 214, 255, 238

 214, 255, 229

 214, 255, 221

Harmonies

Analogous

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



67, 114, 242



171, 107, 214



219, 83, 165

Triad

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



171, 107, 214



104, 184, 6



0, 80, 161

Complementary

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



171, 107, 214



107, 214, 171

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.



0, 96, 158



171, 107, 214



0, 140, 4

Square

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



171, 107, 214



219, 109, 58



48, 152, 130



0, 90, 211

Rectangle

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



171, 107, 214



232, 77, 128



48, 152, 130



0, 85, 160

Sweetspot

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



171, 107, 214



240, 217, 255



107, 139, 214



118, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



171, 107, 214



194, 102, 255



214, 107, 205



103, 96, 107



102, 0, 171



26, 0, 43

Inverse Universe

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



214, 107, 150



255, 102, 163



107, 206, 214



107, 96, 101



171, 0, 69



43, 0, 17

Previews

White Background



This preview shows how the RYB color 171, 107, 214 looks on a white background.

Color Contrast Check

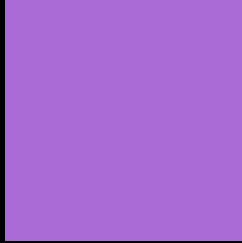
Large Text (above 18pt) WCAG AA ✓ Pass

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 171, 107, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

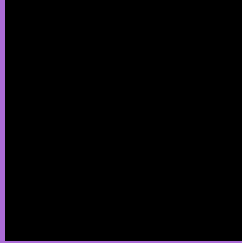
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 171, 107, 214 Background



This preview shows how black text looks on a background with the RYB color 171, 107, 214.

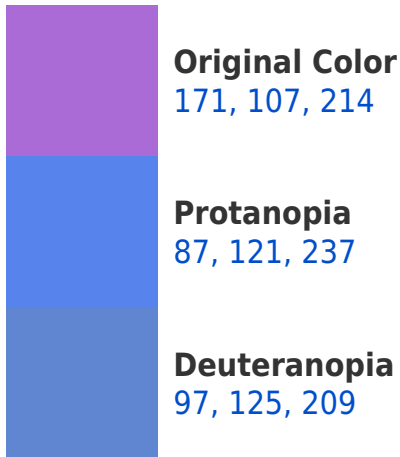



This preview shows how white text looks on a background with the RYB color 171, 107, 214.

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





Tritanopia
158, 126, 136

Trichromacy



Original Color

171, 107, 214



Protanomaly

118, 122, 229



Deuteranomaly

124, 125, 211



Tritanomaly

163, 119, 164

Monochromacy



Original Color

171, 107, 214



Achromatopsia

138, 138, 138



Achromatomaly

150, 127, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 107, 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(171, 107, 214)` looks like.

```
.text, #text, p{  
    color:rgb(171, 107, 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(171, 107, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 107, 214) }
```

Border

The CSS property to change the border of an element to RYB 171, 107, 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(171, 107, 214) }
```

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

```
.border{ border-color:rgb(171, 107, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 107, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 107, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 107, 214);  
box-shadow:4px 4px 4px 4px rgb(171, 107,  
214) }
```

Background

The CSS property to change the background color of an element to RYB 171, 107, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 107, 214) }
```

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

```
.background{ background-color: rgb(171,  
107, 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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