

Converting Colors

`RYB(171, 156, 214)`

Have a look what the booklet for
RYB(171, 156, 214) contains.

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Color

R_YB(171, 156, 214)

Conversions

Conversions Part 1

Format	Color
Hex	AB9CD6
RGB	171, 156, 214
RGB Percent	67%, 61%, 84%
CMY	0.3294, 0.3882, 0.1608
CMYK	0.20, 0.27, 0.00, 0.16
HSL	256°, 41%, 73%
HSV	256°, 27%, 84%
XYZ	40.8207, 37.2899, 68.6645
YIQ	167.0970, -9.6780, 21.2180

Conversions

Conversions Part 2

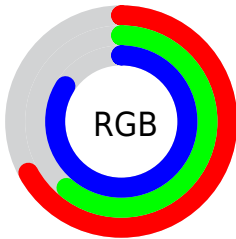
Format	Color
R _Y B	171, 156, 214
Decimal	11246806
CIE Lab	67.49, 17.35, -27.55
CIE LCh	67, 32.562, 302.200
Yxy	37.2899, 0.2781, 0.2541
Android (android.graphics.Color)	4289436886 (0xFFAB9CD6)
YUV	167.0970, 23.1232, 3.4229
Hunter-Lab	61.0655, 12.4580, -23.9223

Details

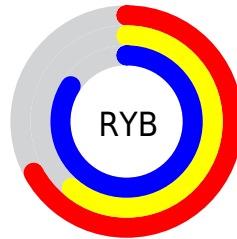
The RYB color **171, 156, 214** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **156, 214, 171**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **227, 211, 255**, and **118, 105, 159** is the 20% darker color. If you saturate the color by 10%, you get **155, 135, 214**, and if you desaturate by 10%, it is **187, 177, 214**.

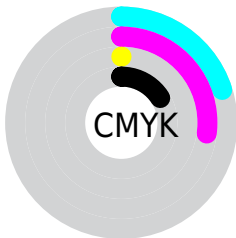
Distribution



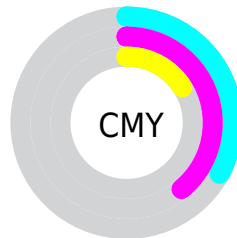
- Red (67%)
- Green (61%)
- Blue (84%)



- Red (67%)
- Yellow (61%)
- Blue (84%)



- Cyan (20%)
- Magenta (27%)
- Yellow (0%)
- Black (16%)




- Cyan (33%)
- Magenta (39%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 156, 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, 156, 214 by changing the saturation by 10% instead.


 171, 156, 214

255, 255, 255

 227, 211, 255

 255, 239, 255

 171, 156, 214


 144, 130, 186

 118, 105, 159

 92, 81, 133

 68, 58, 107

 44, 36, 83

 20, 16, 59

 0, 0, 38

 0, 1, 14

 0, 0, 0

■ 171, 156, 214

■ 171, 156, 214

■ 155, 135, 214

■ 187, 177, 214

■ 139, 113, 214

■ 203, 199, 214

■ 123, 92, 214

■ 214, 220, 215

■ 108, 70, 214

■ 214, 242, 222

■ 92, 49, 214

■ 214, 255, 219

■ 76, 28, 214

■ 214, 255, 214

■ 60, 6, 214

■ 55, 0, 214

Harmonies

Analogous

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



128, 155, 223



171, 156, 214



203, 147, 192

Triad

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



171, 156, 214



207, 183, 113



82, 135, 180

Complementary

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



171, 156, 214



156, 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.



116, 163, 178



171, 156, 214



130, 182, 105

Square

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



171, 156, 214



221, 146, 135



114, 172, 135



61, 124, 195

Rectangle

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



171, 156, 214



217, 143, 173



114, 172, 135



93, 144, 180

Sweetspot

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



171, 156, 214



240, 235, 255



156, 181, 214



118, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



171, 156, 214



193, 171, 255



200, 156, 214



99, 96, 107



44, 0, 171



11, 0, 43

Inverse Universe

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



214, 156, 199



255, 171, 233



156, 214, 199



107, 96, 104



171, 0, 127



43, 0, 32

Previews

White Background



This preview shows how the RYB color 171, 156, 214 looks on a white background.

Color Contrast Check

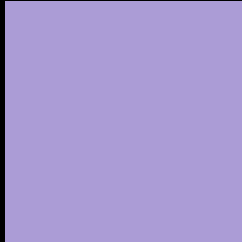
Large Text (above 18pt) WCAG AA × Fail

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 171, 156, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

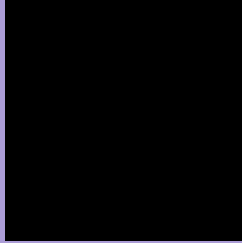
Any Text WCAG AA ✓ Pass

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 171, 156, 214 Background



This preview shows how black text looks on a background with the RYB color 171, 156, 214.



This preview shows how white text looks on a background with the RYB color 171, 156, 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
171, 156, 214

Protanopia
149, 160, 219

Deuteranopia
154, 161, 213



Tritanopia

164, 163, 176

Trichromacy



Original Color
171, 156, 214

Protanomaly
157, 160, 217

Deuteranomaly
160, 160, 213

Tritanomaly
167, 160, 190

Monochromacy



Original Color
171, 156, 214

Achromatopsia
167, 167, 167

Achromatomaly
168, 163, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 156, 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, 156, 214)` looks like.

```
.text, #text, p{  
    color:rgb(171, 156, 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, 156, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 156, 214) }
```

Border

The CSS property to change the border of an element to RYB 171, 156, 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, 156, 214) }
```

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

```
.border{ border-color:rgb(171, 156, 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, 156, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 156, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 156, 214);  
box-shadow:4px 4px 4px 4px rgb(171, 156,  
214) }
```

Background

The CSS property to change the background color of an element to RYB 171, 156, 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, 156, 214) }
```

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

```
.background{ background-color: rgb(171,  
156, 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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