

Converting Colors

`RYB(171, 171, 247)`

Have a look what the booklet for
RYB(171, 171, 247) contains.

RYB(171, 171, 247)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(171, 171, 247)

Conversions

Conversions Part 1

Format	Color
Hex	ABABF7
RGB	171, 171, 247
RGB Percent	67%, 67%, 97%
CMY	0.3294, 0.3294, 0.0314
CMYK	0.31, 0.31, 0.00, 0.03
HSL	240°, 83%, 82%
HSV	240°, 31%, 97%
XYZ	48.1460, 44.4991, 94.0473
YIQ	179.6640, -24.3960, 23.6360

Conversions

Conversions Part 2

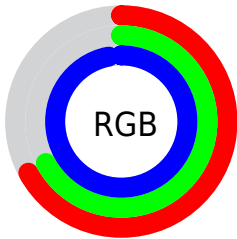
Format	Color
RYB	171, 171, 247
Decimal	11250679
CIELab	72.56, 16.85, -37.78
CIELCh	73, 41.365, 294.035
Yxy	44.4991, 0.2579, 0.2384
Android (android.graphics.Color)	4289440759 (0xFFABABF7)
YUV	179.6640, 33.1966, -7.5983
Hunter-Lab	66.7077, 12.0932, -36.8942

Details

The RYB color **171, 171, 247** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **171, 247, 171**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **228, 226, 255**, and **116, 119, 190** is the 20% darker color. If you saturate the color by 10%, you get **146, 146, 247**, and if you desaturate by 10%, it is **196, 196, 247**.

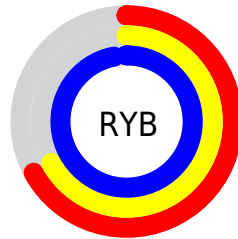
Distribution



Red (67%)

Green (67%)

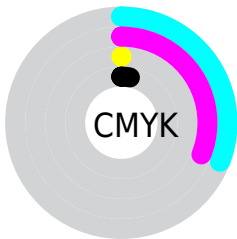
Blue (97%)



Red (67%)

Yellow (67%)

Blue (97%)

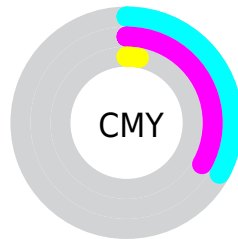


Cyan (31%)

Magenta (31%)

Yellow (0%)

Black (3%)



Cyan (33%)

Magenta (33%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 171, 247 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, 171, 247 by changing the saturation by 10% instead.

■ 171, 171, 247

255, 255, 255

■ 228, 226, 255

■ 171, 171, 247

■ 143, 145, 218

■ 116, 119, 190

■ 90, 94, 163

■ 64, 70, 136


■ 36, 46, 111


■ 0, 21, 86


■ 0, 2, 62

■ 0, 3, 40


■ 0, 1, 17

 171, 171, 247

 171, 171, 247

 146, 146, 247

 196, 196, 247

 122, 122, 247

 220, 220, 247

 97, 97, 247


 245, 245, 247

 72, 72, 247

 247, 255, 247

 47, 47, 247

 23, 23, 247

 0, 0, 247

Harmonies

Analogous

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



107, 157, 253



171, 171, 247



218, 157, 223

Triad

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



171, 171, 247



237, 183, 118



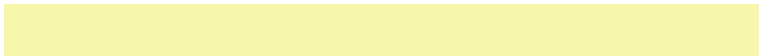
74, 144, 198

Complementary

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



171, 171, 247



171, 247, 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.



127, 188, 193



171, 171, 247



156, 209, 102

Square

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



171, 171, 247



251, 150, 149



107, 185, 120



0, 101, 208

Rectangle

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



171, 171, 247



239, 151, 200



107, 185, 120



93, 158, 197

Sweetspot

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



171, 171, 247



232, 232, 255



171, 209, 247



113, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



171, 171, 247



161, 161, 255



209, 171, 247



110, 110, 122



0, 0, 186



0, 0, 59

Inverse Universe

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



247, 171, 247



255, 161, 255



171, 247, 209



122, 110, 122



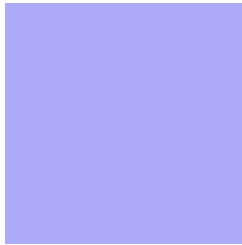
186, 0, 186



59, 0, 59

Previews

White Background



This preview shows how the RYB color 171, 171, 247 looks on a white background.

Color Contrast Check

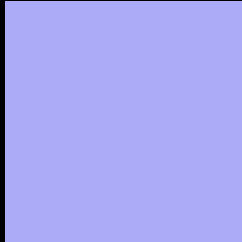
Large Text (above 18pt) WCAG AA × Fail

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, 171, 247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

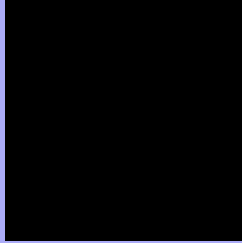
Any Text WCAG AA ✓ Pass

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, 171, 247 Background



This preview shows how black text looks on a background with the RYB color 171, 171, 247.



This preview shows how white text looks on a background with the RYB color 171, 171, 247.

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, 171, 247

Protanopia
155, 172, 250

Deuteranopia
156, 172, 246



Tritanopia
160, 173, 195

Trichromacy



Original Color
171, 171, 247

Protanomaly
161, 172, 249

Deuteranomaly
161, 172, 246

Tritanomaly
164, 174, 214

Monochromacy



Original Color
171, 171, 247

Achromatopsia
180, 180, 180

Achromatomaly
177, 177, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 171, 247 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, 171, 247)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 247)  
}
```

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, 171, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 247) }
```

Border

The CSS property to change the border of an element to RYB 171, 171, 247 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, 171, 247) }
```

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

```
.border{ border-color:rgb(171, 171, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 247);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
247) }
```

Background

The CSS property to change the background color of an element to RYB 171, 171, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 247) }
```

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

```
.background{ background-color: rgb(171,  
171, 247) }
```

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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