

Converting Colors

`RYB(171, 116, 227)`

Have a look what the booklet for
RYB(171, 116, 227) contains.

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Color

R_YB(171, 116, 227)

Conversions

Conversions Part 1

Format	Color
Hex	AB74E3
RGB	171, 116, 227
RGB Percent	67%, 45%, 89%
CMY	0.3294, 0.5451, 0.1098
CMYK	0.25, 0.49, 0.00, 0.11
HSL	270°, 66%, 67%
HSV	270°, 49%, 89%
XYZ	36.9051, 26.6948, 75.8805
YIQ	145.0990, -2.8510, 46.1810

Conversions

Conversions Part 2

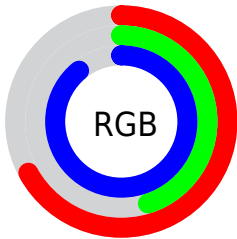
Format	Color
R _Y B	171, 116, 227
Decimal	11236579
CIE Lab	58.69, 42.83, -48.54
CIE LCh	59, 64.734, 311.422
Yxy	26.6948, 0.2646, 0.1914
Android (android.graphics.Color)	4289426659 (0xFFAB74E3)
YUV	145.0990, 40.3772, 22.7152
Hunter-Lab	51.6670, 37.0832, -50.9092

Details

The RYB color **171, 116, 227** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **116, 227, 171**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **228, 169, 255**, and **116, 66, 171** is the 20% darker color. If you saturate the color by 10%, you get **160, 93, 227**, and if you desaturate by 10%, it is **182, 139, 227**.

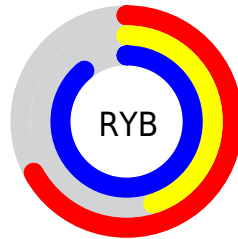
Distribution



Red (67%)

Green (45%)

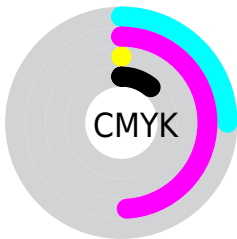
Blue (89%)



Red (67%)

Yellow (45%)

Blue (89%)

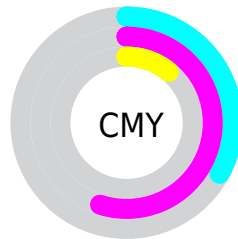


Cyan (25%)

Magenta (49%)

Yellow (0%)

Black (11%)



Cyan (33%)


Magenta (55%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 116, 227 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, 116, 227 by changing the saturation by 10% instead.

 171, 116, 227


255, 255, 255

 228, 169, 255

 255, 197, 255

 255, 225, 255


255, 254, 255

 171, 116, 227

 143, 90, 199

 116, 66, 171

 89, 41, 144

 62, 15, 118


 34, 0, 93


 7, 0, 68


 0, 3, 45


 0, 1, 23


 0, 0, 0


 171, 116, 227

 171, 116, 227

 160, 93, 227

 182, 139, 227

 148, 71, 227


 194, 161, 227

 137, 48, 227

 205, 184, 227

 125, 25, 227

 217, 207, 227

 114, 3, 227

 227, 229, 228

 112, 0, 227

 227, 252, 239

 227, 255, 231

 227, 255, 227

Harmonies

Analogous

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



50, 113, 253



171, 116, 227



225, 91, 179

Triad

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



171, 116, 227



140, 197, 19



0, 86, 168

Complementary

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



171, 116, 227



116, 227, 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, 102, 165



171, 116, 227



4, 149, 0

Square

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



171, 116, 227



231, 109, 68



48, 158, 121



0, 93, 215

Rectangle

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



171, 116, 227



240, 83, 141



48, 158, 121



0, 90, 167

Sweetspot

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



171, 116, 227



236, 217, 255



116, 154, 227



116, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



171, 116, 227



179, 105, 255



225, 116, 227



109, 103, 115



88, 0, 179



25, 0, 51

Inverse Universe

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



227, 116, 172



255, 105, 180



116, 227, 225



115, 103, 109



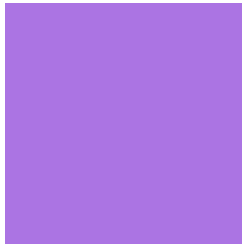
179, 0, 90



51, 0, 26

Previews

White Background



This preview shows how the RYB color 171, 116, 227 looks on a white background.

Color Contrast Check

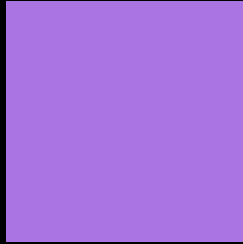
Large Text (above 18pt) WCAG AA ✓ Pass

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, 116, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

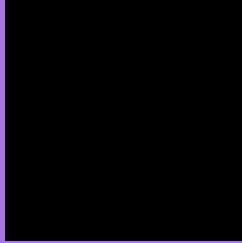
Any Text WCAG AA ✓ Pass

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, 116, 227 Background



This preview shows how black text looks on a background with the RYB color 171, 116, 227.

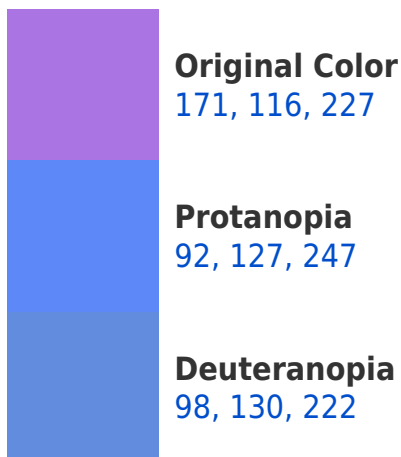



This preview shows how white text looks on a background with the RYB color 171, 116, 227.

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
157, 135, 146

Trichromacy



Original Color
171, 116, 227

Protanomaly
121, 129, 240

Deuteranomaly
125, 132, 224

Tritanomaly
162, 128, 175

Monochromacy



Original Color
171, 116, 227

Achromatopsia
145, 145, 145

Achromatomaly
154, 134, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 116, 227 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, 116, 227)` looks like.

```
.text, #text, p{  
    color:rgb(171, 116, 227)  
}
```

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, 116, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 116, 227) }
```

Border

The CSS property to change the border of an element to RYB 171, 116, 227 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, 116, 227) }
```

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

```
.border{ border-color:rgb(171, 116, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 116, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 116, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 116, 227);  
box-shadow:4px 4px 4px 4px rgb(171, 116,  
227) }
```

Background

The CSS property to change the background color of an element to RYB 171, 116, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 116, 227) }
```

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

```
.background{ background-color: rgb(171,  
116, 227) }
```

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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