

Converting Colors

`RYB(171, 87, 175)`

Have a look what the booklet for
RYB(171, 87, 175) contains.

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Color

R_YB(171, 87, 175)

Conversions

Conversions Part 1

Format	Color
Hex	AB57AF
RGB	171, 87, 175
RGB Percent	67%, 34%, 69%
CMY	0.3294, 0.6588, 0.3137
CMYK	0.02, 0.50, 0.00, 0.31
HSL	297°, 35%, 51%
HSV	297°, 50%, 69%
XYZ	27.9406, 18.5695, 42.6691
YIQ	122.1480, 21.8160, 45.1760

Conversions

Conversions Part 2

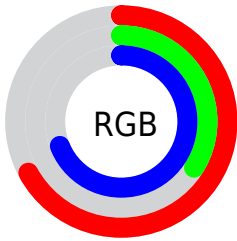
Format	Color
RYB	171, 87, 175
Decimal	11229103
CIELab	50.18, 47.20, -32.25
CIElCh	50, 57.168, 325.653
Yxy	18.5695, 0.3133, 0.2082
Android (android.graphics.Color)	4289419183 (0xFFAB57AF)
YUV	122.1480, 26.0560, 42.8432
Hunter-Lab	43.0923, 40.3262, -28.5431

Details

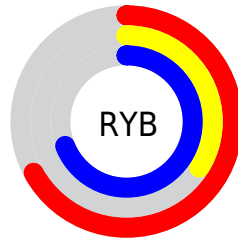
The RYB color **171, 87, 175** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **87, 175, 171**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **228, 140, 231**, and **116, 34, 122** is the 20% darker color. If you saturate the color by 10%, you get **170, 70, 175**, and if you desaturate by 10%, it is **172, 105, 175**.

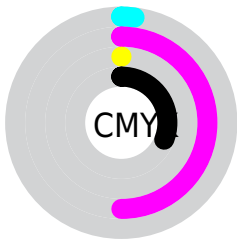
Distribution



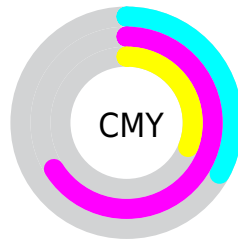
- Red (67%)
- Green (34%)
- Blue (69%)



- Red (67%)
- Yellow (34%)
- Blue (69%)



- Cyan (2%)
- Magenta (50%)
- Yellow (0%)
- Black (31%)



- Cyan (33%)
- Magenta (66%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 87, 175 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, 87, 175 by changing the saturation by 10% instead.



171, 87, 175



171, 87, 175

255, 255, 255



143, 61, 148



228, 140, 231



116, 34, 122



255, 167, 255



90, 0, 97



255, 195, 255



64, 0, 73



255, 224, 255



43, 0, 50



255, 253, 255



0, 0, 28



0, 0, 0



171, 87, 175



171, 87, 175



170, 70, 175




172, 105, 175

 169, 52, 175

 173, 122, 175

 169, 34, 175

 173, 139, 175

 168, 17, 175

 174, 157, 175

 167, 0, 175

 175, 175, 175

 175, 192, 191

 175, 210, 208

 175, 227, 225

 175, 244, 241

Harmonies

Analogous

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



105, 110, 208



171, 87, 175



202, 71, 129

Triad

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



171, 87, 175



44, 149, 0



0, 75, 160

Complementary

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



171, 87, 175



87, 175, 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, 79, 141



171, 87, 175



15, 129, 42

Square

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



171, 87, 175



185, 132, 37



25, 110, 137



0, 81, 199

Rectangle

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



171, 87, 175



206, 71, 96



25, 110, 137



0, 71, 144

Sweetspot

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



171, 87, 175



225, 193, 227



87, 91, 175



114, 94, 115



242, 242, 242



115, 115, 115

Same Dimension

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



171, 87, 175



221, 91, 227



175, 87, 135



86, 78, 87



144, 0, 150



22, 0, 23

Inverse Universe

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



175, 87, 91



227, 91, 97



87, 148, 175



87, 78, 78



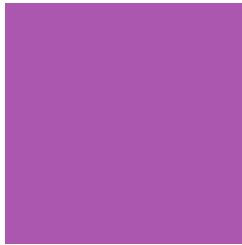
150, 0, 7



23, 0, 1

Previews

White Background



This preview shows how the RYB color 171, 87, 175 looks on a white background.

Color Contrast Check

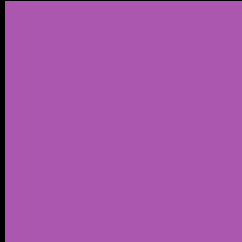
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

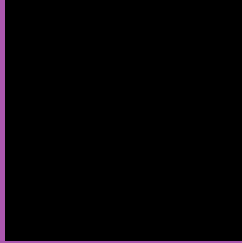
Any Text WCAG AA ✓ Pass

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, 87, 175 Background



This preview shows how black text looks on a background with the RYB color 171, 87, 175.

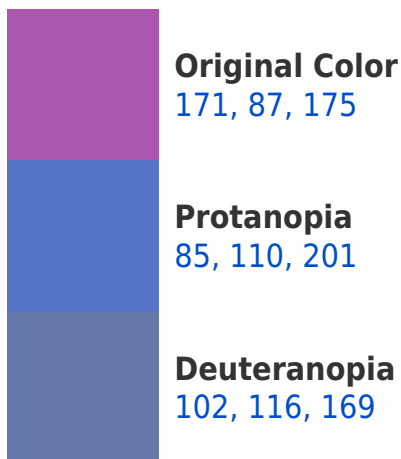



This preview shows how white text looks on a background with the RYB color 171, 87, 175.

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
163, 103, 110

Trichromacy



Original Color

171, 87, 175



Protanomaly

116, 106, 192



Deuteranomaly

127, 107, 171



Tritanomaly

166, 97, 134

Monochromacy



Original Color

171, 87, 175



Achromatopsia

122, 122, 122



Achromatomaly

140, 109, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 87, 175 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, 87, 175)` looks like.

```
.text, #text, p{  
    color:rgb(171, 87, 175)  
}
```

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, 87, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 87, 175) }
```

Border

The CSS property to change the border of an element to RYB 171, 87, 175 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, 87, 175) }
```

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

```
.border{ border-color:rgb(171, 87, 175) }
```

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

Here you see how a box with a 4 pixel rgb(171, 87, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 87, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 87, 175);  
box-shadow:4px 4px 4px 4px rgb(171, 87,  
175) }
```

Background

The CSS property to change the background color of an element to RGB 171, 87, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 87, 175) }
```

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

```
.background{ background-color: rgb(171, 87,  
175) }
```

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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