

Converting Colors

`RYB(170, 0, 187)`

Have a look what the booklet for
RYB(170, 0, 187) contains.

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Color

R_YB(170, 0, 187)

Conversions

Conversions Part 1

Format	Color
Hex	AA00BB
RGB	170, 0, 187
RGB Percent	67%, 0%, 73%
CMY	0.3333, 1.0000, 0.2667
CMYK	0.09, 1.00, 0.00, 0.27
HSL	295°, 100%, 37%
HSV	295°, 100%, 73%
XYZ	25.5472, 12.1339, 48.0093
YIQ	72.1480, 41.2930, 94.1970

Conversions

Conversions Part 2

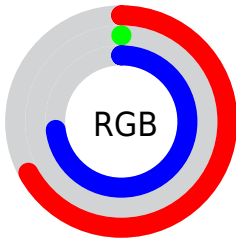
Format	Color
RYB	170, 0, 187
Decimal	11141307
CIELab	41.43, 75.14, -53.21
CIELCh	41, 92.076, 324.697
Yxy	12.1339, 0.2981, 0.1416
Android (android.graphics.Color)	4289331387 (0xFFAA00BB)
YUV	72.1480, 56.6220, 85.8162
Hunter-Lab	34.8338, 69.9535, -57.3323

Details

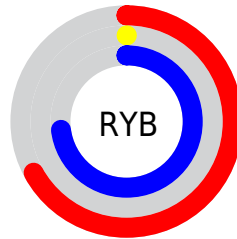
The RYB color **170, 0, 187** is a dark color, and the websafe version is hex **CC00CC**, and the color name is **heliotrope magenta**. A complement of this color would be **0, 187, 170**, and the grayscale version is **72, 72, 72**.

A 20% lighter version of the original color is **229, 85, 244**, and **112, 0, 133** is the 20% darker color. If you saturate the color by 10%, you get **170, 0, 187**, and if you desaturate by 10%, it is **172, 19, 187**.

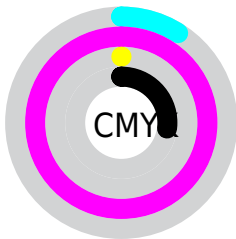
Distribution



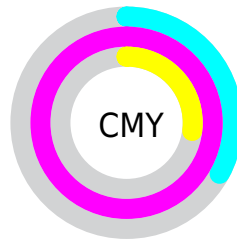
- Red (67%)
- Green (0%)
- Blue (73%)



- Red (67%)
- Yellow (0%)
- Blue (73%)



- Cyan (9%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)



- Cyan (33%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the RYB color 170, 0, 187 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 170, 0, 187 by changing the saturation by 10% instead.

 170, 0, 187

 170, 0, 187

255, 255, 255

 141, 0, 160

 229, 85, 244

 112, 0, 133

 255, 115, 255

 84, 0, 107

 255, 144, 255

 58, 0, 82

 255, 173, 255

 27, 0, 58

 255, 202, 255

 0, 2, 35

 255, 232, 255

 0, 0, 10

 0, 0, 0

 170, 0, 187

■ 172, 19, 187

■ 173, 37, 187

■ 175, 56, 187

■ 177, 75, 187

■ 179, 94, 187

■ 180, 112, 187

■ 182, 131, 187

■ 184, 150, 187

■ 185, 168, 187

Harmonies

Analogous

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



0, 62, 239



170, 0, 187



217, 0, 115

Triad

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



170, 0, 187



58, 131, 0



0, 70, 160

Complementary

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



170, 0, 187



0, 187, 170

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, 75, 125



170, 0, 187



0, 111, 56

Square

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



170, 0, 187



185, 61, 0



0, 121, 121



0, 80, 223

Rectangle

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



170, 0, 187



221, 0, 66



0, 121, 121



0, 65, 135

Sweetspot

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



170, 0, 187



236, 170, 242



0, 17, 187



118, 78, 122



250, 250, 250



122, 122, 122

Same Dimension

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



170, 0, 187



220, 0, 242



187, 0, 112



93, 85, 94



144, 0, 158



28, 0, 31

Inverse Universe

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



187, 0, 17



242, 0, 22



0, 133, 187



94, 85, 86



158, 0, 14



31, 0, 3

Previews

White Background



This preview shows how the RYB color 170, 0, 187 looks on a white background.

Color Contrast Check

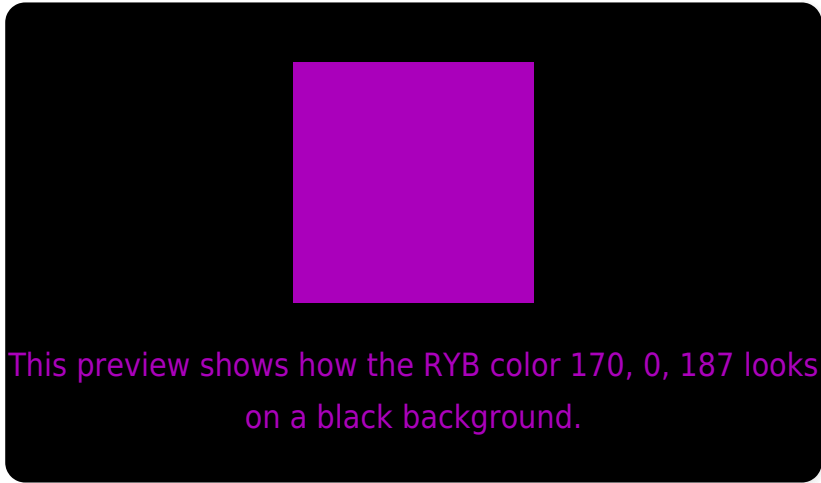
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

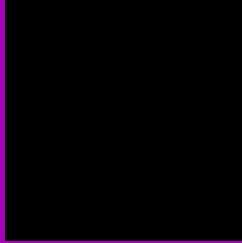
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 170, 0, 187 Background



This preview shows how black text looks on a background with the RYB color 170, 0, 187.

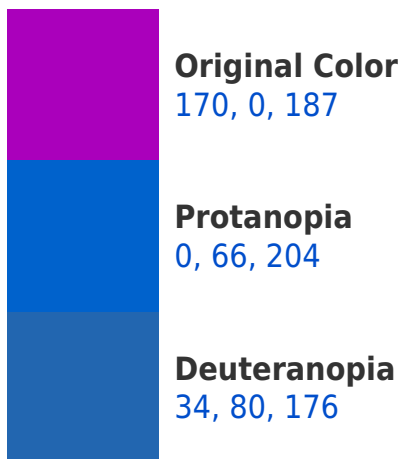


This preview shows how white text looks on a background with the RYB color 170, 0, 187.

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, 73, 78

Trichromacy



Original Color

170, 0, 187



Protanomaly

62, 62, 198



Deuteranomaly

83, 64, 180



Tritanomaly

162, 46, 118

Monochromacy



Original Color

170, 0, 187



Achromatopsia

72, 72, 72



Achromatomaly

108, 46, 114

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 0, 187 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(170, 0, 187)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 187)  
}
```

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(170, 0, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 187) }
```

Border

The CSS property to change the border of an element to RYB 170, 0, 187 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(170, 0, 187) }
```

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

```
.border{ border-color:rgb(170, 0, 187) }
```

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

Here you see how a box with a 4 pixel rgb(170, 0, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 187);  
box-shadow:4px 4px 4px 4px rgb(170, 0,  
187) }
```

Background

The CSS property to change the background color of an element to RYB 170, 0, 187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 187) }
```

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

```
.background{ background-color: rgb(170, 0,  
187) }
```

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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