

Converting Colors

`RYB(187, 39, 170)`

Have a look what the booklet for
RYB(187, 39, 170) contains.

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Color

R_YB(187, 39, 170)

Conversions

Conversions Part 1

Format	Color
Hex	BB27AA
RGB	187, 39, 170
RGB Percent	73%, 15%, 67%
CMY	0.2667, 0.8471, 0.3333
CMYK	0.00, 0.79, 0.09, 0.27
HSL	307°, 65%, 44%
HSV	307°, 79%, 73%
XYZ	28.4747, 14.9181, 39.4089
YIQ	98.1860, 46.1570, 72.1170

Conversions

Conversions Part 2

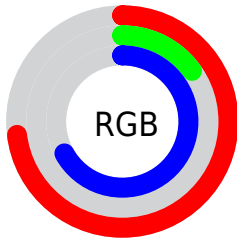
Format	Color
RYB	187, 39, 170
Decimal	12265386
CIELab	45.52, 69.38, -36.46
CIElCh	46, 78.378, 332.279
Yxy	14.9181, 0.3439, 0.1802
Android (android.graphics.Color)	4290455466 (0xFFBB27AA)
YUV	98.1860, 35.4043, 77.8899
Hunter-Lab	38.6240, 64.0035, -33.4581

Details

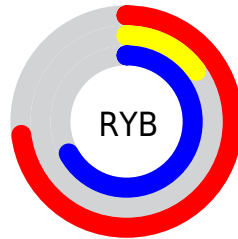
The RYB color **187, 39, 170** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **39, 172, 187**, and the grayscale version is **98, 98, 98**.

A 20% lighter version of the original color is **246, 102, 226**, and **129, 0, 117** is the 20% darker color. If you saturate the color by 10%, you get **187, 20, 168**, and if you desaturate by 10%, it is **187, 58, 172**.

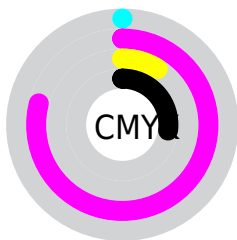
Distribution



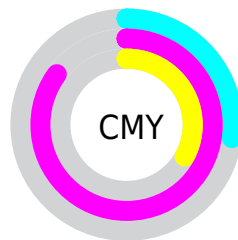
- Red (73%)
- Green (15%)
- Blue (67%)



- Red (73%)
- Yellow (15%)
- Blue (67%)



- Cyan (0%)
- Magenta (79%)
- Yellow (9%)
- Black (27%)



- Cyan (27%)
- Magenta (85%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 187, 39, 170 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 187, 39, 170 by changing the saturation by 10% instead.

 187, 39, 170

255, 255, 255

 246, 102, 226

 255, 131, 255

 255, 160, 255

 255, 189, 255

 255, 218, 255

 255, 248, 255

 187, 39, 170

 158, 0, 143

 129, 0, 117

 101, 0, 92

 74, 0, 68

 48, 0, 45

 5, 0, 23

 0, 0, 0

 187, 39, 170

 187, 20, 168

 187, 39, 170

 187, 58, 172

■ 187, 2, 166

■ 187, 76, 174

■ 187, 0, 166

■ 187, 95, 176

■ 187, 114, 179

■ 187, 133, 181

■ 187, 151, 183

■ 187, 170, 185

■ 187, 189, 189

■ 187, 205, 207

Harmonies

Analogous

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



103, 87, 220



187, 39, 170



217, 0, 106

Triad

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



187, 39, 170



25, 128, 0



0, 76, 177

Complementary

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



187, 39, 170



39, 172, 187

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, 73, 134



187, 39, 170



0, 123, 66

Square

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



187, 39, 170



178, 142, 0



0, 100, 131



0, 82, 225

Rectangle

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



187, 39, 170



216, 0, 63



0, 100, 131



0, 72, 156

Sweetspot

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



187, 39, 170



242, 184, 236



54, 39, 187



122, 87, 118



250, 250, 250



122, 122, 122

Same Dimension

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



187, 39, 170



242, 12, 216



187, 39, 98



94, 85, 93



158, 0, 140



31, 0, 27

Inverse Universe

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



187, 39, 170



242, 12, 216



39, 131, 187



94, 85, 93



158, 0, 140



31, 0, 27

Previews

White Background



This preview shows how the RYB color 187, 39, 170 looks on a white background.

Color Contrast Check

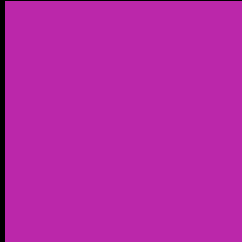
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 187, 39, 170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

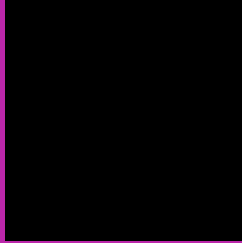
Any Text WCAG AA × Fail

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 187, 39, 170 Background



This preview shows how black text looks on a background with the RYB color 187, 39, 170.

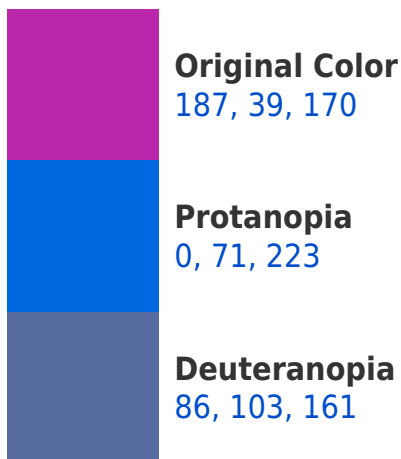


This preview shows how white text looks on a background with the RYB color 187, 39, 170.

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

178, 74, 79

Trichromacy



Original Color

187, 39, 170



Protanomaly

68, 80, 204



Deuteranomaly

123, 83, 164



Tritanomaly

181, 61, 112

Monochromacy



Original Color

187, 39, 170



Achromatopsia

98, 98, 98



Achromatomaly

130, 77, 124

CSS Examples

Text

The CSS property to change the color of the text to RYB 187, 39, 170 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(187, 39, 170)` looks like.

```
.text, #text, p{  
    color:rgb(187, 39, 170)  
}
```

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(187, 39, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 39, 170) }
```

Border

The CSS property to change the border of an element to RYB 187, 39, 170 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(187, 39, 170) }
```

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

```
.border{ border-color:rgb(187, 39, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 39, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 39, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 39, 170);  
box-shadow:4px 4px 4px 4px rgb(187, 39,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 187, 39, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 39, 170) }
```

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

```
.background{ background-color: rgb(187, 39,  
170) }
```

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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