

Converting Colors

`RYB(188, 67, 155)`

Have a look what the booklet for
RYB(188, 67, 155) contains.

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Color

R_YB(188, 67, 155)

Conversions

Conversions Part 1

Format	Color
Hex	BC439B
RGB	188, 67, 155
RGB Percent	74%, 26%, 61%
CMY	0.2627, 0.7373, 0.3922
CMYK	0.00, 0.64, 0.18, 0.26
HSL	316°, 47%, 50%
HSV	316°, 64%, 74%
XYZ	28.6626, 17.0722, 32.7949
YIQ	113.2110, 43.8680, 53.0200

Conversions

Conversions Part 2

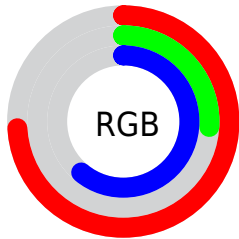
Format	Color
R _Y B	188, 67, 155
Decimal	12338075
CIE Lab	48.35, 57.92, -23.11
CIE LCh	48, 62.363, 338.245
Yxy	17.0722, 0.3650, 0.2174
Android (android.graphics.Color)	4290528155 (0xFFBC439B)
YUV	113.2110, 20.6020, 65.5900
Hunter-Lab	41.3186, 51.5175, -18.1360

Details

The RYB color **188, 67, 155** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **67, 162, 188**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **247, 123, 210**, and **131, 0, 104** is the 20% darker color. If you saturate the color by 10%, you get **188, 48, 150**, and if you desaturate by 10%, it is **188, 86, 160**.

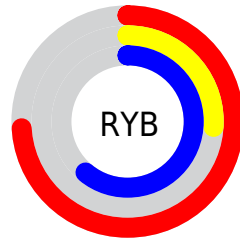
Distribution



Red (74%)

Green (26%)

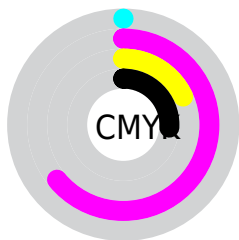
Blue (61%)



Red (74%)

Yellow (26%)

Blue (61%)

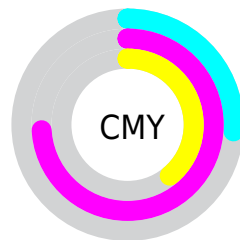


Cyan (0%)

Magenta (64%)

Yellow (18%)

Black (26%)



Cyan (26%)


Magenta (74%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 67, 155 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 188, 67, 155 by changing the saturation by 10% instead.

 188, 67, 155

255, 255, 255

 247, 123, 210

 255, 150, 238


 255, 179, 255

 255, 207, 255

 255, 237, 255

 188, 67, 155

 159, 37, 129

 131, 0, 104

 104, 0, 79

 77, 0, 56

 52, 0, 35

 16, 0, 8

 0, 0, 0

 188, 67, 155


 188, 48, 150

 188, 67, 155

 188, 86, 160

 188, 29, 145


 188, 105, 165


 188, 11, 140

 188, 123, 170

 188, 0, 137

 188, 142, 176

 188, 161, 181

 188, 180, 186

 188, 197, 199

 188, 211, 217

 188, 226, 236

Harmonies

Analogous

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



134, 94, 198



188, 67, 155



207, 56, 103

Triad

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



188, 67, 155



9, 125, 0



0, 78, 179

Complementary

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



188, 67, 155



67, 162, 188

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, 72, 138



188, 67, 155



16, 129, 78

Square

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



188, 67, 155



122, 169, 0



0, 88, 136



0, 81, 213

Rectangle

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



188, 67, 155



204, 65, 68



0, 88, 136



0, 75, 163

Sweetspot

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



188, 67, 155



245, 198, 232



99, 67, 188



122, 94, 115



250, 250, 250



122, 122, 122

Same Dimension

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



188, 67, 155



245, 56, 193



188, 67, 95



94, 85, 92



158, 0, 115



31, 0, 22

Inverse Universe

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



188, 67, 155



245, 56, 193



67, 135, 188



94, 85, 92



158, 0, 115



31, 0, 22

Previews

White Background



This preview shows how the RYB color 188, 67, 155 looks on a white background.

Color Contrast Check

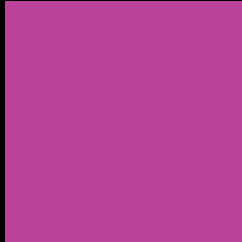
Large Text (above 18pt) WCAG AA ✓ Pass

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 188, 67, 155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

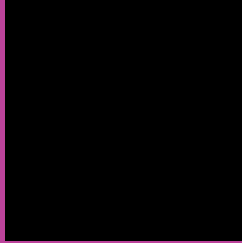
Any Text WCAG AA × Fail

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 188, 67, 155 Background



This preview shows how black text looks on a background with the RYB color 188, 67, 155.

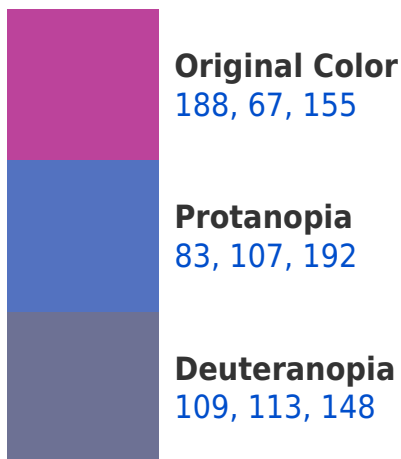


This preview shows how white text looks on a background with the RYB color 188, 67, 155.

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
182, 84, 90

Trichromacy



Original Color

188, 67, 155



Protanomaly

121, 96, 179



Deuteranomaly

138, 96, 151



Tritanomaly

184, 78, 114

Monochromacy



Original Color

188, 67, 155



Achromatopsia

113, 113, 113



Achromatomaly

140, 96, 128

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 67, 155 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(188, 67, 155)` looks like.

```
.text, #text, p{  
    color:rgb(188, 67, 155)  
}
```

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(188, 67, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 67, 155) }
```

Border

The CSS property to change the border of an element to RYB 188, 67, 155 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(188, 67, 155) }
```

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

```
.border{ border-color:rgb(188, 67, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 67, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 67, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 67, 155);  
box-shadow:4px 4px 4px 4px rgb(188, 67,  
155) }
```

Background

The CSS property to change the background color of an element to RYB 188, 67, 155 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 67, 155) }
```

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

```
.background{ background-color: rgb(188, 67,  
155) }
```

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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