

Converting Colors

`RYB(188, 103, 241)`

Have a look what the booklet for
RYB(188, 103, 241) contains.

RYB(188, 103, 241)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(188, 103, 241)`

Conversions

Conversions Part 1

Format	Color
Hex	BC67F1
RGB	188, 103, 241
RGB Percent	74%, 40%, 95%
CMY	0.2627, 0.5961, 0.0549
CMYK	0.22, 0.57, 0.00, 0.05
HSL	277°, 83%, 67%
HSV	277°, 57%, 95%
XYZ	41.4665, 26.7427, 86.1954
YIQ	144.1470, 6.3620, 60.9380

Conversions

Conversions Part 2

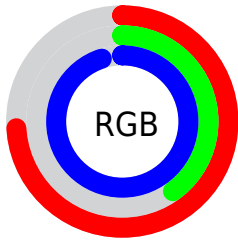
Format	Color
R_{YB}	188, 103, 241
Decimal	12347377
CIE _{Lab}	58.74, 57.08, -56.16
CIE _{LCh}	59, 80.077, 315.467
Yxy	26.7427, 0.2686, 0.1732
Android (android.graphics.Color)	4290537457 (0xFFBC67F1)
YUV	144.1470, 47.7485, 38.4591
Hunter-Lab	51.7134, 52.6321, -62.6247

Details

The RYB color **188, 103, 241** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **103, 241, 188**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **247, 157, 255**, and **131, 49, 184** is the 20% darker color. If you saturate the color by 10%, you get **179, 79, 241**, and if you desaturate by 10%, it is **197, 127, 241**.

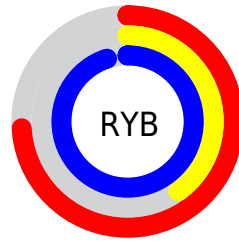
Distribution



Red (74%)

Green (40%)

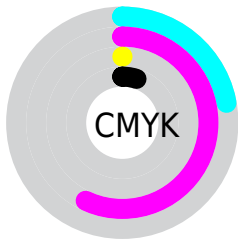
Blue (95%)



Red (74%)

Yellow (40%)

Blue (95%)

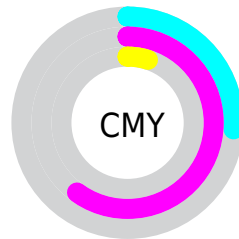


Cyan (22%)

Magenta (57%)

Yellow (0%)

Black (5%)



Cyan (26%)

Magenta (60%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 103, 241 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, 103, 241 by changing the saturation by 10% instead.


 188, 103, 241

 188, 103, 241


255, 255, 255

 159, 76, 212

 247, 157, 255

 131, 49, 184

 255, 185, 255

 103, 18, 157

 255, 214, 255

 75, 0, 130

 255, 243, 255

 46, 0, 104

 19, 0, 79


 0, 0, 55

 0, 2, 33


 0, 0, 5

 188, 103, 241


 188, 103, 241

 179, 79, 241

 197, 127, 241

 169, 55, 241

 207, 151, 241

 160, 31, 241


 216, 175, 241


 151, 7, 241


 225, 199, 241

 148, 0, 241

 234, 223, 241

 241, 248, 245

 241, 255, 243

 241, 255, 241

Harmonies

Analogous

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



0, 90, 255



188, 103, 241



248, 63, 178

Triad

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



188, 103, 241



113, 198, 0



0, 87, 177

Complementary

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



188, 103, 241



103, 241, 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, 106, 170



188, 103, 241



0, 149, 12

Square

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



188, 103, 241



243, 108, 40



23, 163, 146



0, 99, 241

Rectangle

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



188, 103, 241



255, 51, 132



23, 163, 146



0, 91, 172

Sweetspot

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



188, 103, 241



238, 212, 255



103, 142, 241



118, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



188, 103, 241



187, 79, 255



241, 103, 227



115, 108, 120



113, 0, 184



35, 0, 56

Inverse Universe

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



241, 103, 156



255, 79, 147



103, 228, 241



120, 108, 112



184, 0, 71



56, 0, 22

Previews

White Background



This preview shows how the RYB color 188, 103, 241 looks on a white background.

Color Contrast Check

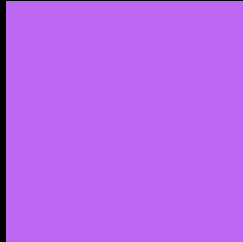
Large Text (above 18pt) WCAG AA ✓ Pass

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 188, 103, 241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

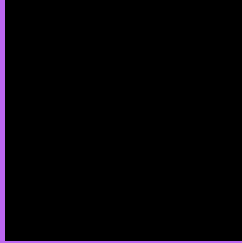
Any Text WCAG AA ✓ Pass

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 188, 103, 241 Background



This preview shows how black text looks on a background with the RYB color 188, 103, 241.

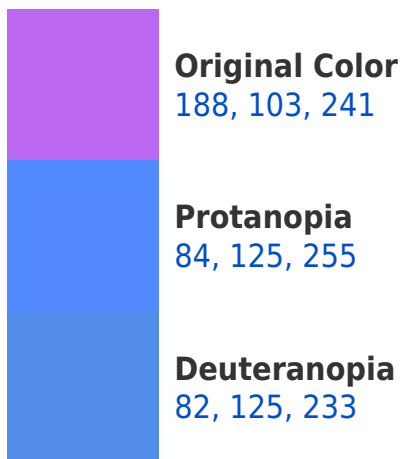



This preview shows how white text looks on a background with the RYB color 188, 103, 241.

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
172, 130, 140

Trichromacy



Original Color
188, 103, 241



Protanomaly
122, 125, 250



Deuteranomaly
121, 128, 236



Tritanomaly
178, 120, 177

Monochromacy



Original Color
188, 103, 241



Achromatopsia
144, 144, 144



Achromatomaly
160, 129, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 103, 241 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, 103, 241)` looks like.

```
.text, #text, p{  
  color:rgb(188, 103, 241)  
}
```

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, 103, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 103, 241) }
```

Border

The CSS property to change the border of an element to RYB 188, 103, 241 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, 103, 241) }
```

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

```
.border{ border-color:rgb(188, 103, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 103, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 103, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 103, 241);  
box-shadow:4px 4px 4px 4px rgb(188, 103,  
241) }
```

Background

The CSS property to change the background color of an element to RYB 188, 103, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 103, 241) }
```

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

```
.background{ background-color: rgb(188,  
103, 241) }
```

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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