

Converting Colors

`RYB(188, 102, 254)`

Have a look what the booklet for
RYB(188, 102, 254) contains.

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Color

R_YB(188, 102, 254)

Conversions

Conversions Part 1

Format	Color
Hex	BC66FE
RGB	188, 102, 254
RGB Percent	74%, 40%, 100%
CMY	0.2627, 0.6000, 0.0039
CMYK	0.26, 0.60, 0.00, 0.00
HSL	274°, 99%, 70%
HSV	274°, 60%, 100%
XYZ	43.3798, 27.3499, 96.7586
YIQ	145.0420, 2.4640, 65.5040

Conversions

Conversions Part 2

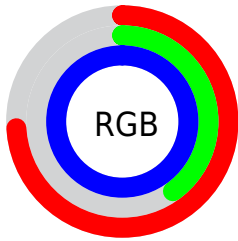
Format	Color
R _Y B	188, 102, 254
Decimal	12347134
CIE Lab	59.30, 60.41, -62.46
CIE LCh	59, 86.894, 314.043
Yxy	27.3499, 0.2590, 0.1633
Android (android.graphics.Color)	4290537214 (0xFFBC66FE)
YUV	145.0420, 53.7163, 37.6742
Hunter-Lab	52.2971, 56.5436, -73.0887

Details

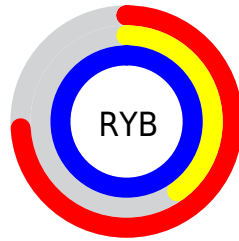
The RYB color **188, 102, 254** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **102, 254, 188**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **247, 157, 255**, and **130, 47, 196** is the 20% darker color. If you saturate the color by 10%, you get **177, 77, 254**, and if you desaturate by 10%, it is **199, 127, 254**.

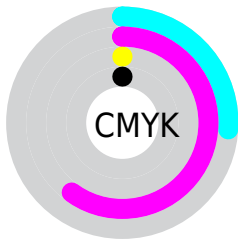
Distribution



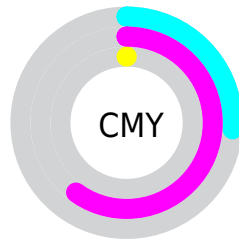
- Red (74%)
- Green (40%)
- Blue (100%)



- Red (74%)
- Yellow (40%)
- Blue (100%)



- Cyan (26%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (26%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 102, 254 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, 102, 254 by changing the saturation by 10% instead.

 188, 102, 254

 188, 102, 254


255, 255, 255

 159, 75, 225

 247, 157, 255

 130, 47, 196

 255, 185, 255

 102, 14, 169

 255, 213, 255

 73, 0, 141

 255, 242, 255

 42, 0, 115

 7, 0, 90

 0, 0, 65

 0, 3, 42

 0, 1, 20

■ 188, 102, 254

■ 188, 102, 254

■ 177, 77, 254

■ 199, 127, 254

■ 166, 51, 254

■ 210, 153, 254

■ 155, 26, 254

■ 221, 178, 254

■ 144, 0, 254

■ 232, 204, 254

■ 243, 229, 254

254, 254, 254

254, 255, 254

Harmonies

Analogous

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



0, 90, 255



188, 102, 254



255, 51, 187

Triad

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



188, 102, 254



136, 206, 0



0, 88, 178

Complementary

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



188, 102, 254



102, 254, 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, 110, 173



188, 102, 254



0, 151, 11

Square

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



188, 102, 254



253, 98, 35



0, 166, 136



0, 102, 248

Rectangle

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



188, 102, 254



255, 28, 136



0, 166, 136



0, 94, 175

Sweetspot

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



188, 102, 254



235, 209, 255



102, 149, 254



115, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



188, 102, 254



175, 71, 255



254, 102, 246



122, 115, 128



108, 0, 191



36, 0, 64

Inverse Universe

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



254, 102, 168



255, 71, 151



102, 246, 254



128, 115, 120



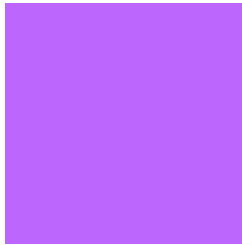
191, 0, 83



64, 0, 28

Previews

White Background



This preview shows how the RYB color 188, 102, 254 looks on a white background.

Color Contrast Check

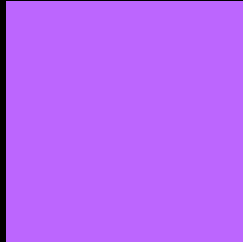
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102, 254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

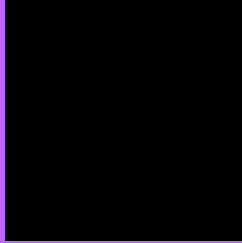
Any Text WCAG AA ✓ Pass

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](#).

R Y B 188, 102, 254 Background



This preview shows how black text looks on a background with the RYB color 188, 102, 254.

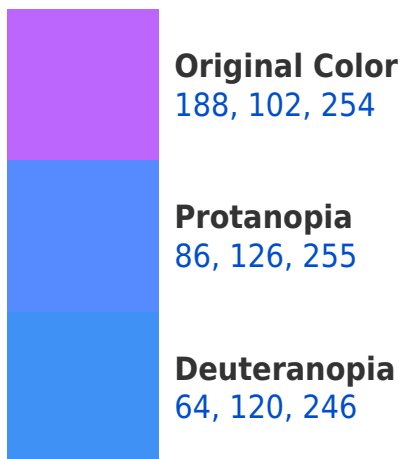



This preview shows how white text looks on a background with the RYB color 188, 102, 254.

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
169, 133, 143

Trichromacy



Original Color

188, 102, 254



Protanomaly

123, 126, 255



Deuteranomaly

109, 127, 249



Tritanomaly

176, 122, 183

Monochromacy



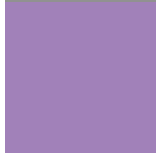
Original Color

188, 102, 254



Achromatopsia

145, 145, 145



Achromatomaly

161, 129, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 102, 254 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, 102, 254)` looks like.

```
.text, #text, p{  
  color:rgb(188, 102, 254)  
}
```

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, 102, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 102, 254) }
```

Border

The CSS property to change the border of an element to RYB 188, 102, 254 is called "border". The border property can be set on classes, ids or directly on the HTML element.

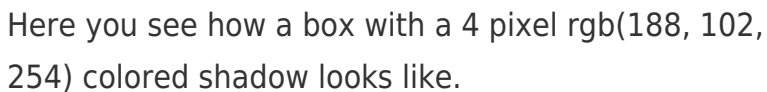
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 102, 254) }
```

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

```
.border{ border-color:rgb(188, 102, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 102, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 102, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 102, 254);  
box-shadow:4px 4px 4px 4px rgb(188, 102,  
254) }
```

Background

The CSS property to change the background color of an element to RYB 188, 102, 254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 102, 254) }
```

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

```
.background{ background-color: rgb(188,  
102, 254) }
```

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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