

Converting Colors

`RYB(188, 120, 247)`

Have a look what the booklet for RYB(188, 120, 247) contains.

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Color

`RYB(188, 120, 247)`

Conversions

Conversions Part 1

Format	Color
Hex	BC78F7
RGB	188, 120, 247
RGB Percent	74%, 47%, 97%
CMY	0.2627, 0.5294, 0.0314
CMYK	0.24, 0.51, 0.00, 0.03
HSL	272°, 89%, 72%
HSV	272°, 51%, 97%
XYZ	44.2440, 30.8397, 91.6164
YIQ	154.8100, -0.2390, 53.9130

Conversions

Conversions Part 2

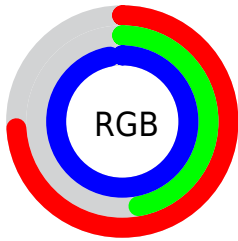
Format	Color
R _{YB}	188, 120, 247
Decimal	12351735
CIE _{Lab}	62.37, 49.69, -53.69
CIE _{LCh}	62, 73.157, 312.786
Yxy	30.8397, 0.2654, 0.1850
Android (android.graphics.Color)	4290541815 (0xFFBC78F7)
YUV	154.8100, 45.4497, 29.1076
Hunter-Lab	55.5335, 45.0288, -58.9402

Details

The RYB color **188, 120, 247** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **120, 247, 188**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **247, 174, 255**, and **131, 68, 190** is the 20% darker color. If you saturate the color by 10%, you get **177, 95, 247**, and if you desaturate by 10%, it is **199, 145, 247**.

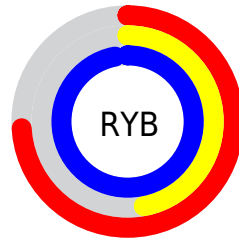
Distribution



Red (74%)

Green (47%)

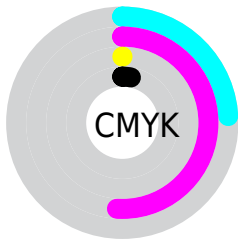
Blue (97%)



Red (74%)

Yellow (47%)

Blue (97%)

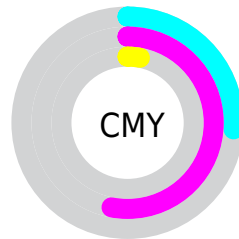


Cyan (24%)

Magenta (51%)

Yellow (0%)

Black (3%)



Cyan (26%)

Magenta (53%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 188, 120, 247 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, 120, 247 by changing the saturation by 10% instead.

 188, 120, 247

255, 255, 255


 247, 174, 255

 255, 202, 255

 255, 231, 255

 188, 120, 247

 159, 94, 218

 131, 68, 190

 104, 43, 162

 76, 14, 136

 48, 0, 110

 19, 0, 85

 0, 0, 60

 0, 2, 38

 0, 1, 14


 188, 120, 247

 188, 120, 247


 177, 95, 247


 199, 145, 247

 165, 71, 247

 211, 169, 247

 154, 46, 247

 222, 194, 247

 142, 21, 247

 234, 219, 247

 132, 0, 247

 245, 244, 247

 247, 255, 247

Harmonies

Analogous

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



41, 113, 255



188, 120, 247



247, 89, 191

Triad

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



188, 120, 247



121, 211, 0



0, 91, 180

Complementary

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



188, 120, 247



120, 247, 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, 178



188, 120, 247



0, 157, 2

Square

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



188, 120, 247



251, 116, 65



44, 171, 136



0, 102, 238

Rectangle

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



188, 120, 247



255, 80, 148



44, 171, 136



0, 97, 180

Sweetspot

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



188, 120, 247



237, 217, 255



120, 160, 247



117, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



188, 120, 247



182, 97, 255



247, 120, 243



117, 110, 122



100, 0, 186



31, 0, 59

Inverse Universe

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



247, 120, 179



255, 97, 170



120, 243, 247



122, 110, 116



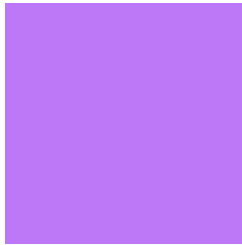
186, 0, 86



59, 0, 27

Previews

White Background



This preview shows how the RYB color 188, 120, 247 looks on a white background.

Color Contrast Check

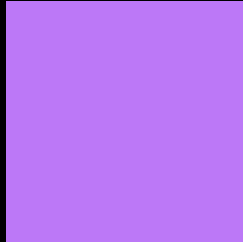
Large Text (above 18pt) WCAG AA × Fail

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, 120, 247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

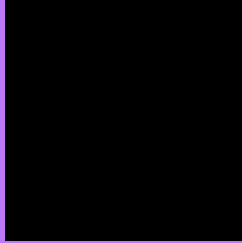
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

RYB 188, 120, 247 Background



This preview shows how black text looks on a background with the RYB color 188, 120, 247.

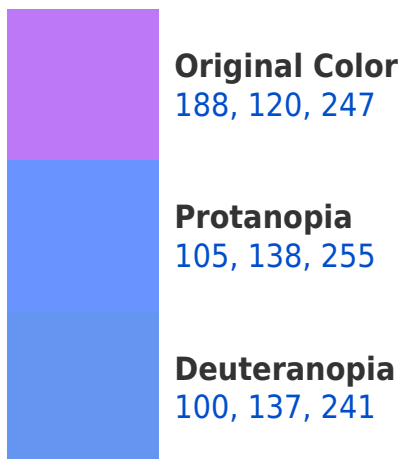



This preview shows how white text looks on a background with the RYB color 188, 120, 247.

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, 143, 154

Trichromacy



Original Color

188, 120, 247



Protanomaly

135, 138, 252



Deuteranomaly

132, 139, 243



Tritanomaly

178, 135, 188

Monochromacy



Original Color

188, 120, 247



Achromatopsia

155, 155, 155



Achromatomaly

167, 142, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 188, 120, 247 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, 120, 247) looks like.

```
.text, #text, p{  
    color:rgb(188, 120, 247)  
}
```

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, 120, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 120, 247) }
```

Border

The CSS property to change the border of an element to RYB 188, 120, 247 is called "border". The border property can be set on classes, ids or directly on the HTML element.

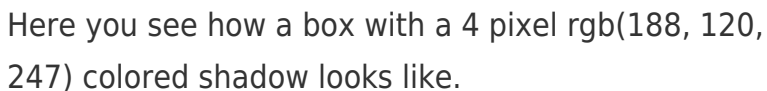
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 120, 247) }
```

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

```
.border{ border-color:rgb(188, 120, 247) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 120, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 120, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 120, 247); box-shadow:4px 4px 4px 4px rgb(188, 120, 247) }
```

Background

The CSS property to change the background color of an element to RYB 188, 120, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 120, 247) }
```

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

```
.background{ background-color: rgb(188,  
120, 247) }
```

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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