

# Converting Colors

RGB(187, 129, 238)

Have a look what the booklet for  
RGB(187, 129, 238) contains.

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# Color

**RGB(187, 129, 238)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB81EE
RGB	187, 129, 238
RGB Percent	73%, 51%, 93%
CMY	0.2667, 0.4941, 0.0667
CMYK	0.21, 0.46, 0.00, 0.07
HSL	272°, 76%, 72%
HSV	272°, 46%, 93%
XYZ	43.7764, 32.4384, 84.8429
YIQ	158.7680, -0.4210, 46.1950

# Conversions

## Conversions Part 2

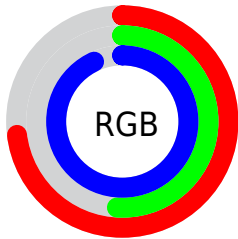
Format	Color
<a href="#">RYB</a>	<a href="#">187, 129, 238</a>
Decimal	<a href="#">12288494</a>
CIELab	<a href="#">63.70, 42.58, -46.62</a>
CIElCh	<a href="#">64, 63.142, 312.408</a>
Yxy	<a href="#">32.4384, 0.2718, 0.2014</a>
Android (android.graphics.Color)	<a href="#">4290478574</a> ( <a href="#">0xFFBB81EE</a> )
YUV	<a href="#">158.7680, 39.0614, 24.7595</a>
Hunter-Lab	<a href="#">56.9547, 37.5276, -48.4534</a>

# Details

The RGB color **187, 129, 238** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **180, 238, 129**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **245, 183, 255**, and **131, 78, 181** is the 20% darker color. If you saturate the color by 10%, you get **176, 105, 238**, and if you desaturate by 10%, it is **198, 153, 238**.

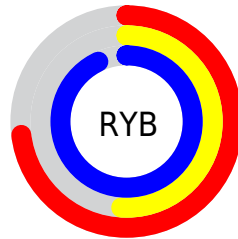
# Distribution



Red (73%)

Green (51%)

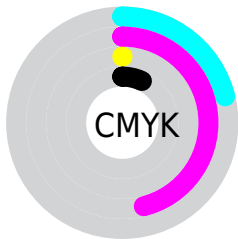
Blue (93%)



Red (73%)

Yellow (51%)

Blue (93%)

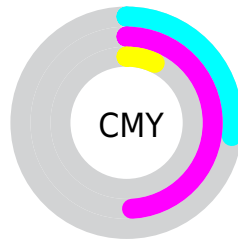


Cyan (21%)

Magenta (46%)

Yellow (0%)

Black (7%)



Cyan (27%)

Magenta (49%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 187, 129, 238 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 RGB color 187, 129, 238 by changing the saturation by 10% instead.



 187, 129, 238

255, 255, 255


 245, 183, 255


 255, 211, 255

 255, 240, 255


 187, 129, 238

 159, 103, 209

 131, 78, 181

 104, 53, 154

 78, 28, 128


 51, 1, 102

 24, 0, 78


 0, 0, 54

 0, 2, 32

 0, 0, 3

 187, 129, 238

 187, 129, 238

 176, 105, 238

 198, 153, 238

 165, 81, 238


 209, 177, 238

 154, 58, 238

 220, 200, 238

 142, 34, 238

 232, 224, 238

 131, 10, 238

 243, 248, 238

 127, 0, 238

 254, 255, 238

 255, 255, 238

# Harmonies

## Analogous

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



84, 153, 255



187, 129, 238



239, 106, 190

# Triad

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



187, 129, 238



210, 139, 39



0, 181, 177

# Complementary

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



187, 129, 238



180, 238, 129

# 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, 179, 118



187, 129, 238



161, 159, 28

# Square

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



187, 129, 238



244, 116, 81



98, 172, 65



0, 179, 229

# Rectangle

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



187, 129, 238



254, 100, 152



98, 172, 65



0, 181, 157



# Sweetspot

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



187, 129, 238



238, 219, 255



129, 182, 238



117, 106, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



187, 129, 238



189, 115, 255



238, 129, 236



114, 108, 120



98, 0, 184



30, 0, 56



# Inverse Universe

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



238, 129, 180



255, 115, 180



129, 238, 131



120, 108, 113



184, 0, 86

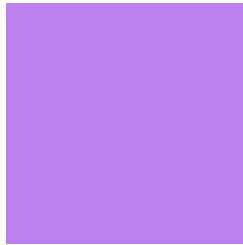


56, 0, 26



# Previews

## White Background



This preview shows how the RGB color 187, 129, 238 looks on a white background.

## Color Contrast Check

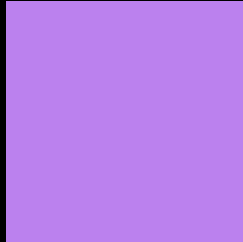
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 187, 129, 238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

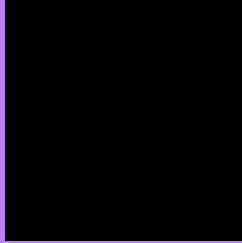
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RGB 187, 129, 238 Background



This preview shows how black text looks on a background with the RGB color 187, 129, 238.

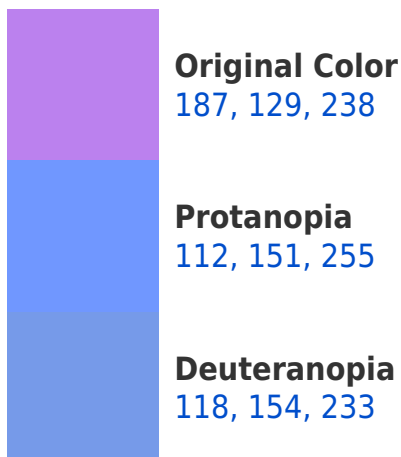


This preview shows how white text looks on a background with the RGB color 187, 129, 238.

# 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**  
174, 147, 159

# Trichromacy



**Original Color**

187, 129, 238



**Protanomaly**

139, 143, 249



**Deuteranomaly**

143, 145, 235



**Tritanomaly**

179, 140, 188

# Monochromacy



**Original Color**

187, 129, 238



**Achromatopsia**

159, 159, 159



**Achromatomaly**

169, 148, 188

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 187, 129, 238 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, 129, 238)` looks like.

```
.text, #text, p{  
    color:rgb(187, 129, 238)  
}
```

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, 129, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 129, 238) }
```

## Border

The CSS property to change the border of an element to RGB 187, 129, 238 is called "border". The border property can be set on classes, ids or directly on the HTML element.

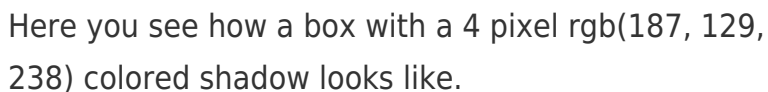
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 129, 238) }
```

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

```
.border{ border-color:rgb(187, 129, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 129, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 129, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 129, 238); box-shadow:4px 4px 4px 4px rgb(187, 129, 238) }
```

# Background

The CSS property to change the background color of an element to RGB 187, 129, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 129, 238) }
```

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

```
.background{ background-color: rgb(187,  
129, 238) }
```

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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