

# Converting Colors

`RYB(148, 87, 235)`

Have a look what the booklet for RYB(148, 87, 235) contains.

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# Color

**R<sub>Y</sub>B(148, 87, 235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9457EB
RGB	148, 87, 235
RGB Percent	58%, 34%, 92%
CMY	0.4196, 0.6588, 0.0784
CMYK	0.37, 0.63, 0.00, 0.08
HSL	265°, 79%, 63%
HSV	265°, 63%, 92%
XYZ	30.6163, 19.1104, 80.6723
YIQ	122.1110, -11.1520, 58.9600

# Conversions

## Conversions Part 2

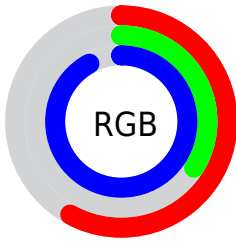
Format	Color
<a href="#">RYB</a>	<a href="#">148, 87, 235</a>
Decimal	<a href="#">9721835</a>
CIELab	<a href="#">50.82, 54.75, -65.77</a>
CIELCh	<a href="#">51, 85.578, 309.772</a>
Yxy	<a href="#">19.1104, 0.2348, 0.1466</a>
Android (android.graphics.Color)	<a href="#">4287911915</a> ( <a href="#">0xFF9457EB</a> )
YUV	<a href="#">122.1110, 55.6543, 22.7047</a>
Hunter-Lab	<a href="#">43.7155, 48.5111, -78.8125</a>

# Details

The RYB color **148, 87, 235** is a light color, and the websafe version is hex **9966FF**, and the color name is **lavender indigo**. The color can be described as light muted purple. A complement of this color would be **87, 235, 148**, and the grayscale version is **122, 122, 122**.

A 20% lighter version of the original color is **207, 140, 255**, and **90, 35, 178** is the 20% darker color. If you saturate the color by 10%, you get **134, 63, 235**, and if you desaturate by 10%, it is **162, 110, 235**.

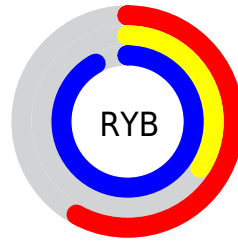
# Distribution



Red (58%)

Green (34%)

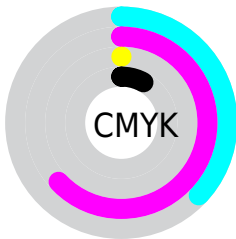
Blue (92%)



Red (58%)

Yellow (34%)

Blue (92%)

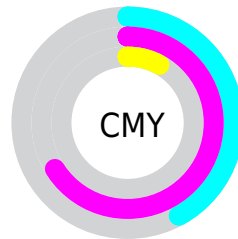


Cyan (37%)

Magenta (63%)

Yellow (0%)

Black (8%)



Cyan (42%)

Magenta (66%)


















Yellow (8%)


# Brightness & Saturation Gradients


These gradients show how the RYB color 148, 87, 235 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 148, 87, 235 by changing the saturation by 10% instead.



 148, 87, 235	 148, 87, 235
 255, 255, 255	 119, 61, 206
 207, 140, 255	 90, 35, 178
 237, 167, 255	 59, 2, 151
 255, 195, 255	 21, 0, 124
 255, 223, 255	 0, 0, 98
 255, 253, 255	 0, 0, 73
	 0, 4, 50
	 0, 1, 28
	 0, 0, 0


 148, 87, 235


 148, 87, 235


 134, 63, 235

 162, 110, 235


 120, 40, 235

 176, 134, 235

 107, 17, 235

 189, 158, 235

 97, 0, 235

 203, 181, 235

 217, 204, 235

 231, 228, 235

 235, 251, 241

 235, 255, 235

# Harmonies

## Analogous

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



0, 83, 255



148, 87, 235



222, 21, 173

# Triad

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



148, 87, 235



167, 186, 0



0, 77, 151

# Complementary

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



148, 87, 235



87, 235, 148

# 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, 102, 148



148, 87, 235



0, 126, 0

# Square

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



148, 87, 235



229, 54, 28



0, 141, 114



0, 88, 214

# Rectangle

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



148, 87, 235



242, 0, 125



0, 141, 114



0, 84, 150



# Sweetspot

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



148, 87, 235



227, 207, 255



87, 143, 235



110, 98, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



148, 87, 235



141, 61, 255



220, 87, 235



110, 106, 117



75, 0, 181



22, 0, 54



# Inverse Universe

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



235, 87, 174



255, 61, 175



87, 235, 220



117, 106, 112



181, 0, 106

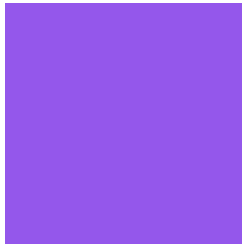


54, 0, 31



# Previews

## White Background



This preview shows how the RYB color 148, 87, 235 looks on a white background.

## Color Contrast Check

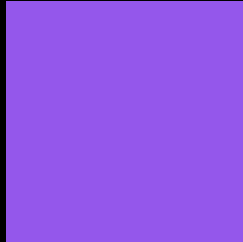
Large Text (above 18pt) WCAG AA ✓ Pass

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 148, 87, 235 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

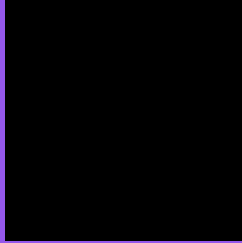
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 148, 87, 235 Background



This preview shows how black text looks on a background with the RYB color 148, 87, 235.

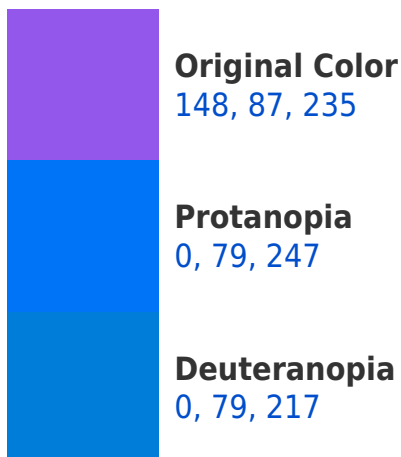



This preview shows how white text looks on a background with the RYB color 148, 87, 235.

# 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





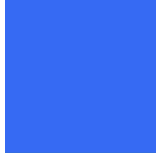
**Tritanopia**  
125, 118, 128

# Trichromacy



**Original Color**

148, 87, 235



**Protanomaly**

54, 95, 243



**Deuteranomaly**

54, 96, 224



**Tritanomaly**

133, 107, 167

# Monochromacy



**Original Color**

148, 87, 235



**Achromatopsia**

122, 122, 122



**Achromatomaly**

131, 109, 163

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 148, 87, 235 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(148, 87, 235)` looks like.

```
.text, #text, p{  
    color:rgb(148, 87, 235)  
}
```

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(148, 87, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 87, 235) }
```

## Border

The CSS property to change the border of an element to RYB 148, 87, 235 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(148, 87, 235) }
```

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

```
.border{ border-color:rgb(148, 87, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 87, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 87, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 87, 235);  
box-shadow:4px 4px 4px 4px rgb(148, 87,  
235) }
```

# Background

The CSS property to change the background color of an element to RGB 148, 87, 235 is called "background".

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

```
.background, #background, body{  
background: rgb(148, 87, 235) }
```

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

```
.background{ background-color: rgb(148, 87,  
235) }
```

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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