

# Converting Colors

`RYB(147, 0, 209)`

Have a look what the booklet for  
RYB(147, 0, 209) contains.

<b>RYB(147, 0, 209)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(147, 0, 209)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9300D1
RGB	147, 0, 209
RGB Percent	58%, 0%, 82%
CMY	0.4235, 1.0000, 0.1804
CMYK	0.30, 1.00, 0.00, 0.18
HSL	282°, 100%, 41%
HSV	282°, 100%, 82%
XYZ	23.5412, 10.8065, 61.1667
YIQ	67.7790, 20.5230, 96.1630

# Conversions

## Conversions Part 2

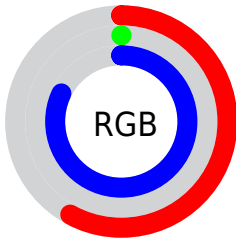
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 0, 209
Decimal	9634001
CIE <sub>Lab</sub>	39.25, 75.85, -69.76
CIE <sub>LCh</sub>	39, 103.049, 317.393
Yxy	10.8065, 0.2465, 0.1131
Android (android.graphics.Color)	4287824081 (0xFF9300D1)
YUV	67.7790, 69.6220, 69.4768
Hunter-Lab	32.8732, 70.2996, -87.3087

# Details

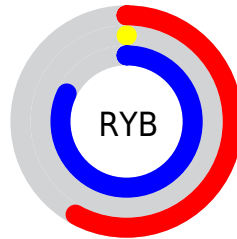
The RYB color **147, 0, 209** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **0, 209, 147**, and the grayscale version is **67, 67, 67**.

A 20% lighter version of the original color is **207, 82, 255**, and **88, 0, 153** is the 20% darker color. If you saturate the color by 10%, you get **147, 0, 209**, and if you desaturate by 10%, it is **153, 21, 209**.

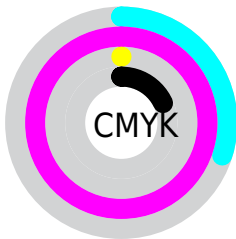
# Distribution



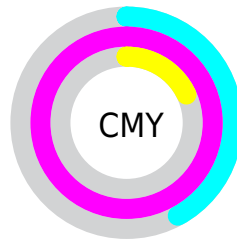
- Red (58%)
- Green (0%)
- Blue (82%)



- Red (58%)
- Yellow (0%)
- Blue (82%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)



- Cyan (42%)
- Magenta (100%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 147, 0, 209 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 147, 0, 209 by changing the saturation by 10% instead.



 147, 0, 209

 147, 0, 209

255, 255, 255

 118, 0, 181

 207, 82, 255

 88, 0, 153

 237, 111, 255

 57, 0, 126

 255, 140, 255

 25, 0, 100

 255, 169, 255

 0, 0, 75

 255, 198, 255

 0, 4, 51

 255, 228, 255

 0, 2, 29

 0, 0, 0

 147, 0, 209

■ 153, 21, 209

■ 159, 42, 209

■ 166, 63, 209

■ 172, 84, 209

■ 178, 105, 209

■ 184, 125, 209

■ 190, 146, 209

■ 197, 167, 209

■ 203, 188, 209

# Harmonies

## Analogous

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



0, 66, 255



147, 0, 209



215, 0, 132

# Triad

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



147, 0, 209



123, 142, 0



0, 65, 141

# Complementary

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



147, 0, 209



0, 209, 147

# 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, 83, 119



147, 0, 209



0, 103, 38

# Square

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



147, 0, 209



196, 0, 0



0, 115, 115



0, 78, 218

# Rectangle

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



147, 0, 209



227, 0, 77



0, 115, 115



0, 63, 121



# Sweetspot

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



147, 0, 209



232, 179, 255



0, 48, 209



114, 82, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



147, 0, 209



179, 0, 255



209, 0, 167



101, 94, 105



118, 0, 168



29, 0, 41



# Inverse Universe

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



209, 0, 62



255, 0, 76



0, 174, 209



105, 94, 97



168, 0, 50



41, 0, 12



# Previews

## White Background



This preview shows how the RYB color 147, 0, 209 looks on a white 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

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

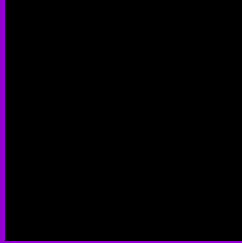
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## R Y B 147, 0, 209 Background



This preview shows how black text looks on a background with the R Y B color 147, 0, 209.



This preview shows how white text looks on a background with the R Y B color 147, 0, 209.

# 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



**Original Color**

147, 0, 209

**Protanopia**

0, 62, 192

**Deuteranopia**

0, 61, 167



**Tritanopia**  
126, 82, 88

# Trichromacy



**Original Color**

147, 0, 209



**Protanomaly**

53, 58, 198



**Deuteranomaly**

53, 61, 182



**Tritanomaly**

134, 52, 132

# Monochromacy



**Original Color**

147, 0, 209



**Achromatopsia**

68, 68, 68



**Achromatomaly**

97, 43, 119

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 147, 0, 209 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(147, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(147, 0, 209)  
}
```

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(147, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 0, 209) }
```

## Border

The CSS property to change the border of an element to RYB 147, 0, 209 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(147, 0, 209) }
```

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

```
.border{ border-color:rgb(147, 0, 209) }
```

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

Here you see how a box with a 4 pixel rgb(147, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(147, 0,  
209) }
```

# Background

The CSS property to change the background color of an element to RYB 147, 0, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 0, 209) }
```

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

```
.background{ background-color: rgb(147, 0,  
209) }
```

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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