

Converting Colors

`RYB(147, 0, 245)`

Have a look what the booklet for
RYB(147, 0, 245) contains.

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Color

R_YB(147, 0, 245)

Conversions

Conversions Part 1

Format	Color
Hex	9300F5
RGB	147, 0, 245
RGB Percent	58%, 0%, 96%
CMY	0.4235, 1.0000, 0.0392
CMYK	0.40, 1.00, 0.00, 0.04
HSL	276°, 100%, 48%
HSV	276°, 100%, 96%
XYZ	28.5141, 12.7956, 87.3531
YIQ	71.8830, 8.9670, 107.3590

Conversions

Conversions Part 2

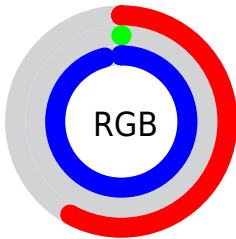
Format	Color
RYB	147, 0, 245
Decimal	9634037
CIELab	42.45, 82.76, -85.06
CIElCh	42, 118.676, 314.216
Yxy	12.7956, 0.2216, 0.0995
Android (android.graphics.Color)	4287824117 (0xFF9300F5)
YUV	71.8830, 85.3467, 65.8776
Hunter-Lab	35.7710, 79.6883, -119.7473

Details

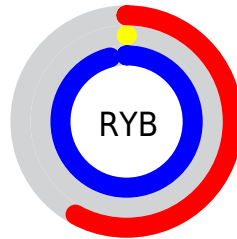
The RYB color **147, 0, 245** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **0, 245, 147**, and the grayscale version is **71, 71, 71**.

A 20% lighter version of the original color is **209, 85, 255**, and **83, 0, 187** is the 20% darker color. If you saturate the color by 10%, you get **147, 0, 245**, and if you desaturate by 10%, it is **157, 24, 245**.

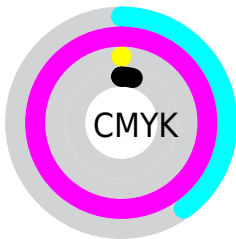
Distribution



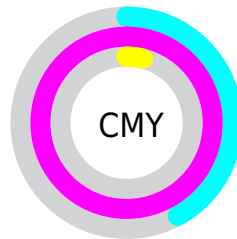
- Red (58%)
- Green (0%)
- Blue (96%)



- Red (58%)
- Yellow (0%)
- Blue (96%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)





















- Cyan (42%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 147, 0, 245 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, 245 by changing the saturation by 10% instead.


 147, 0, 245	 147, 0, 245
 255, 255, 255	 116, 0, 216
 209, 85, 255	 83, 0, 187
 240, 115, 255	 46, 0, 159
 255, 144, 255	 0, 0, 132
 255, 173, 255	 0, 0, 106
 255, 203, 255	 0, 5, 80
 255, 232, 255	 0, 5, 56
	 0, 2, 34
	 0, 0, 7


 147, 0, 245


 157, 24, 245


 167, 49, 245

 176, 74, 245

 186, 98, 245

 196, 123, 245

 206, 147, 245

 216, 171, 245

 225, 196, 245

 235, 221, 245

Harmonies

Analogous

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



0, 73, 255



147, 0, 245



238, 0, 156

Triad

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



147, 0, 245



164, 138, 0



0, 70, 147

Complementary

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



147, 0, 245



0, 245, 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, 99, 130



147, 0, 245



0, 111, 33

Square

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



147, 0, 245



224, 0, 0



0, 125, 125



0, 86, 239

Rectangle

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



147, 0, 245



255, 0, 92



0, 125, 125



0, 71, 132

Sweetspot

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



147, 0, 245



224, 179, 255



0, 70, 245



109, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



147, 0, 245



153, 0, 255



245, 0, 221



118, 110, 122



112, 0, 186



35, 0, 59

Inverse Universe

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



245, 0, 98



255, 0, 102



0, 223, 245



122, 110, 115



186, 0, 74



59, 0, 23

Previews

White Background



This preview shows how the RYB color 147, 0, 245 looks on a white background.

Color Contrast Check

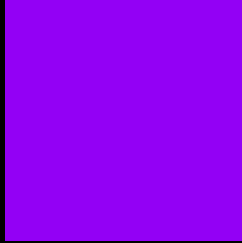
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 147, 0, 245 looks on a 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](#).

RYB 147, 0, 245 Background



This preview shows how black text looks on a background with the RYB color 147, 0, 245.



This preview shows how white text looks on a background with the RYB color 147, 0, 245.

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, 245

Protanopia

0, 66, 206

Deuteranopia

0, 66, 178



Tritanopia
117, 96, 103

Trichromacy



Original Color

147, 0, 245



Protanomaly

53, 62, 220



Deuteranomaly

53, 65, 202



Tritanomaly

128, 61, 155

Monochromacy



Original Color

147, 0, 245



Achromatopsia

72, 72, 72



Achromatomaly

99, 46, 135

CSS Examples

Text

The CSS property to change the color of the text to RYB 147, 0, 245 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(147, 0, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 0, 245) }
```

Border

The CSS property to change the border of an element to RYB 147, 0, 245 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, 245) }
```

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

```
.border{ border-color:rgb(147, 0, 245) }
```

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, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(147, 0,  
245) }
```

Background

The CSS property to change the background color of an element to RYB 147, 0, 245 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, 245) }
```

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

```
.background{ background-color: rgb(147, 0,  
245) }
```

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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