

Converting Colors

RGB(129, 0, 237)

Have a look what the booklet for
RGB(129, 0, 237) contains.

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Color

RGB(129, 0, 237)

Conversions

Conversions Part 1

Format	Color
Hex	8100ED
RGB	129, 0, 237
RGB Percent	51%, 0%, 93%
CMY	0.4941, 1.0000, 0.0706
CMYK	0.46, 1.00, 0.00, 0.07
HSL	273°, 100%, 46%
HSV	273°, 100%, 93%
XYZ	24.3393, 10.7816, 80.9190
YIQ	65.5890, 0.8070, 101.0550

Conversions

Conversions Part 2

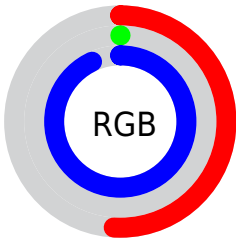
Format	Color
R_{YB}	129, 0, 237
Decimal	8454381
CIE _{Lab}	39.21, 79.54, -85.97
CIE _{LCh}	39, 117.119, 312.775
Yxy	10.7816, 0.2097, 0.0929
Android (android.graphics.Color)	4286644461 (0xFF8100ED)
YUV	65.5890, 84.5056, 55.6114
Hunter-Lab	32.8353, 74.8524, -123.1291

Details

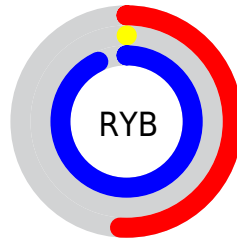
The RGB color **129, 0, 237** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark washed purple. A complement of this color would be **108, 237, 0**, and the grayscale version is **65, 65, 65**.

A 20% lighter version of the original color is **191, 81, 255**, and **62, 0, 179** is the 20% darker color. If you saturate the color by 10%, you get **129, 0, 237**, and if you desaturate by 10%, it is **140, 24, 237**.

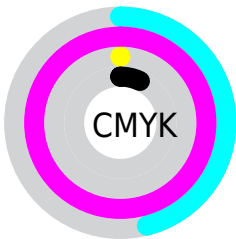
Distribution



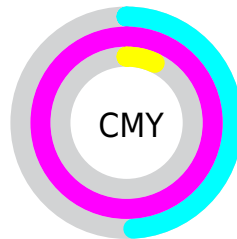
- Red (51%)
- Green (0%)
- Blue (93%)



- Red (51%)
- Yellow (0%)
- Blue (93%)



- Cyan (46%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



- Cyan (49%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RGB color 129, 0, 237 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 129, 0, 237 by changing the saturation by 10% instead.



129, 0, 237



129, 0, 237

255, 255, 255



97, 0, 208



191, 81, 255



62, 0, 179



222, 111, 255



4, 0, 152



253, 139, 255



0, 0, 125



255, 168, 255



0, 0, 99



255, 197, 255



0, 9, 73



255, 227, 255



0, 4, 50





0, 2, 28




0, 0, 0

 129, 0, 237


 140, 24, 237

 151, 47, 237


 161, 71, 237

 172, 95, 237

 183, 118, 237

 194, 142, 237

 205, 166, 237

 215, 190, 237

 226, 213, 237

Harmonies

Analogous

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



0, 97, 255



129, 0, 237



223, 0, 151

Triad

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



129, 0, 237



156, 65, 0



0, 123, 133

Complementary

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



129, 0, 237



108, 237, 0

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, 120, 27



129, 0, 237



74, 102, 0

Square

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



129, 0, 237



214, 0, 0



0, 115, 0



0, 125, 224

Rectangle

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



129, 0, 237



242, 0, 89



0, 115, 0



0, 122, 100

Sweetspot

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



129, 0, 237



220, 179, 255



0, 111, 237



107, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



129, 0, 237



139, 0, 255



237, 0, 229



112, 106, 117



99, 0, 181



29, 0, 54

Inverse Universe

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



237, 0, 108



255, 0, 116



0, 237, 8



117, 106, 111



181, 0, 83



54, 0, 24

Previews

White Background



This preview shows how the RGB color 129, 0, 237 looks on a white background.

Color Contrast Check

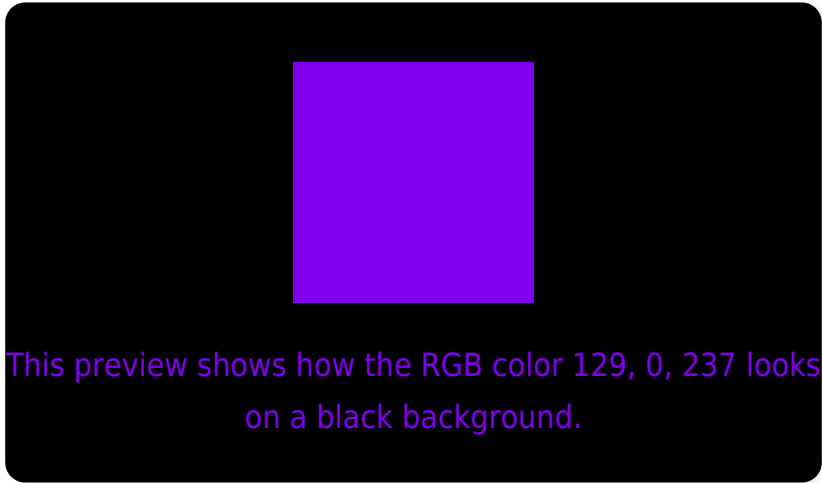
Large Text (above 18pt) WCAG AA ✓ Pass

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

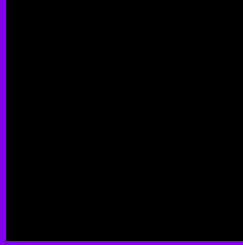
Any Text WCAG AA × Fail

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](#).

RGB 129, 0, 237 Background



This preview shows how black text looks on a background with the RGB color 129, 0, 237.



This preview shows how white text looks on a background with the RGB color 129, 0, 237.

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
129, 0, 237

Protanopia
0, 91, 191

Deuteranopia
0, 97, 163



Tritanopia
95, 92, 100

Trichromacy



Original Color

129, 0, 237



Protanomaly

47, 58, 208



Deuteranomaly

47, 62, 190



Tritanomaly

107, 59, 150

Monochromacy



Original Color

129, 0, 237



Achromatopsia

66, 66, 66



Achromatomaly

89, 42, 128

CSS Examples

Text

The CSS property to change the color of the text to RGB 129, 0, 237 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(129, 0, 237)` looks like.

```
.text, #text, p{  
  color:rgb(129, 0, 237)  
}
```

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(129, 0, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 0, 237) }
```

Border

The CSS property to change the border of an element to RGB 129, 0, 237 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(129, 0, 237) }
```

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

```
.border{ border-color:rgb(129, 0, 237) }
```

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

Here you see how a box with a 4 pixel rgb(129, 0, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 0, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 0, 237);  
box-shadow:4px 4px 4px 4px rgb(129, 0,  
237) }
```

Background

The CSS property to change the background color of an element to RGB 129, 0, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 0, 237) }
```

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

```
.background{ background-color: rgb(129, 0,  
237) }
```

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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