

Converting Colors

RGB(137, 13, 246)

Have a look what the booklet for
RGB(137, 13, 246) contains.

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Color

RGB(137, 13, 246)

Conversions

Conversions Part 1

Format	Color
Hex	890DF6
RGB	137, 13, 246
RGB Percent	54%, 5%, 96%
CMY	0.4627, 0.9490, 0.0353
CMYK	0.44, 0.95, 0.00, 0.04
HSL	272°, 93%, 51%
HSV	272°, 95%, 96%
XYZ	27.0950, 12.2600, 88.1271
YIQ	76.6380, -0.8890, 98.7510

Conversions

Conversions Part 2

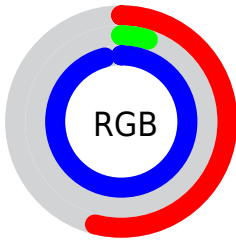
Format	Color
R _Y B	137, 13, 246
Decimal	8982006
CIE Lab	41.63, 80.68, -87.03
CIE LCh	42, 118.673, 312.831
Yxy	12.2600, 0.2125, 0.0962
Android (android.graphics.Color)	4287172086 (0xFF890DF6)
YUV	76.6380, 83.4955, 52.9375
Hunter-Lab	35.0143, 76.8529, -124.7162

Details

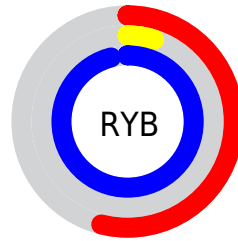
The RGB color **137, 13, 246** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **122, 246, 13**, and the grayscale version is **76, 76, 76**.

A 20% lighter version of the original color is **199, 87, 255**, and **71, 0, 188** is the 20% darker color. If you saturate the color by 10%, you get **131, 0, 246**, and if you desaturate by 10%, it is **149, 38, 246**.

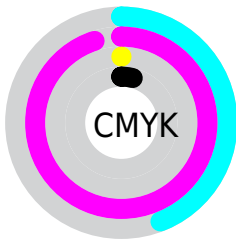
Distribution



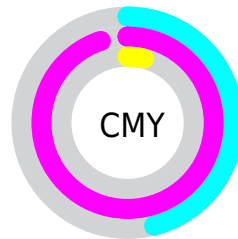
- Red (54%)
- Green (5%)
- Blue (96%)



- Red (54%)
- Yellow (5%)
- Blue (96%)



- Cyan (44%)
- Magenta (95%)
- Yellow (0%)
- Black (4%)





















- Cyan (46%)
- Magenta (95%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RGB color 137, 13, 246 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 137, 13, 246 by changing the saturation by 10% instead.

 137, 13, 246	 137, 13, 246
 255, 255, 255	 105, 0, 217
 199, 87, 255	 71, 0, 188
 230, 116, 255	 25, 0, 160
 255, 145, 255	 0, 0, 133
 255, 174, 255	 0, 0, 106
 255, 203, 255	 0, 9, 81
 255, 233, 255	 0, 5, 57
	 0, 2, 34
	 0, 0, 9

■ 137, 13, 246

■ 137, 13, 246

■ 131, 0, 246

■ 149, 38, 246

■ 160, 62, 246

■ 172, 87, 246

■ 183, 111, 246

■ 195, 136, 246

■ 206, 161, 246

■ 218, 185, 246

■ 229, 210, 246

■ 241, 234, 246

Harmonies

Analogous

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



0, 102, 255



137, 13, 246



233, 0, 158

Triad

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



137, 13, 246



164, 71, 0



0, 130, 140

Complementary

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



137, 13, 246



122, 246, 13

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, 127, 32



137, 13, 246



81, 108, 0

Square

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



137, 13, 246



223, 0, 0



0, 122, 0



0, 132, 233

Rectangle

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



137, 13, 246



252, 0, 95



0, 122, 0



0, 129, 106

Sweetspot

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



137, 13, 246



222, 184, 255



13, 126, 246



107, 84, 128



0, 0, 0



128, 128, 128

Same Dimension

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



137, 13, 246



136, 0, 255



246, 13, 242



117, 110, 122



99, 0, 186



31, 0, 59

Inverse Universe

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



246, 13, 122



255, 0, 119



13, 246, 17



122, 110, 116



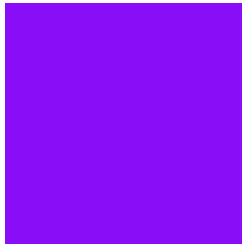
186, 0, 87



59, 0, 27

Previews

White Background



This preview shows how the RGB color 137, 13, 246 looks on a white background.

Color Contrast Check

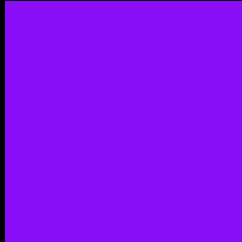
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 137, 13, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

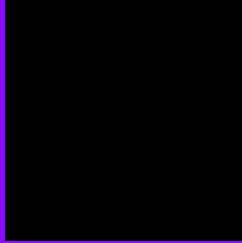
Any Text WCAG AA × Fail

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](#).

RGB 137, 13, 246 Background



This preview shows how black text looks on a background with the RGB color 137, 13, 246.



This preview shows how white text looks on a background with the RGB color 137, 13, 246.

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
137, 13, 246

Protanopia
0, 95, 201

Deuteranopia
0, 102, 172



Tritanopia
103, 96, 104

Trichromacy



Original Color

137, 13, 246



Protanomaly

50, 65, 217



Deuteranomaly

50, 70, 199



Tritanomaly

115, 66, 156

Monochromacy



Original Color

137, 13, 246



Achromatopsia

77, 77, 77



Achromatomaly

99, 54, 138

CSS Examples

Text

The CSS property to change the color of the text to RGB 137, 13, 246 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(137, 13, 246)` looks like.

```
.text, #text, p{  
    color:rgb(137, 13, 246)  
}
```

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(137, 13, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 13, 246) }
```

Border

The CSS property to change the border of an element to RGB 137, 13, 246 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(137, 13, 246) }
```

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

```
.border{ border-color:rgb(137, 13, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 13, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 13, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 13, 246);  
box-shadow:4px 4px 4px 4px rgb(137, 13,  
246) }
```

Background

The CSS property to change the background color of an element to RGB 137, 13, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 13, 246) }
```

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

```
.background{ background-color: rgb(137, 13,  
246) }
```

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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