

Converting Colors

`RYB(0, 247, 117)`

Have a look what the booklet for
RYB(0, 247, 117) contains.

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Color

RYB(0, 247, 117)

Conversions

Conversions Part 1

Format	Color
Hex	82F700
RGB	130, 247, 0
RGB Percent	51%, 97%, 0%
CMY	0.4902, 0.0314, 1.0000
CMYK	0.47, 0.00, 1.00, 0.03
HSL	88°, 100%, 48%
HSV	88°, 100%, 97%
XYZ	42.4667, 71.2674, 11.5178
YIQ	183.8590, 9.5550, -101.6210

Conversions

Conversions Part 2

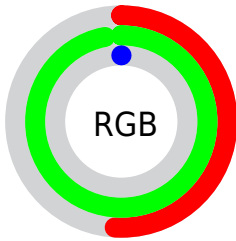
Format	Color
RYB	0, 247, 117
Decimal	8582912
CIELab	87.61, -64.37, 84.06
CIELCh	88, 105.876, 127.445
Yxy	71.2674, 0.3391, 0.5690
Android (android.graphics.Color)	4286772992 (0xFF82F700)
YUV	183.8590, -90.6425, -47.2343
Hunter-Lab	84.4200, -57.9422, 51.0048

Details

The RYB color **0, 247, 117** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **117, 0, 247**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **92, 255, 155**, and **0, 190, 128** is the 20% darker color. If you saturate the color by 10%, you get **0, 247, 117**, and if you desaturate by 10%, it is **25, 247, 130**.

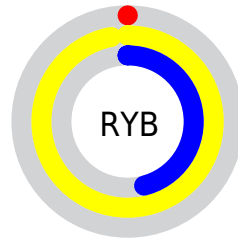
Distribution



Red (51%)

Green (97%)

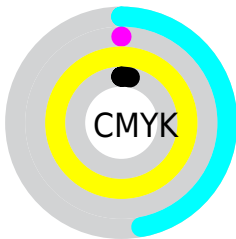
Blue (0%)



Red (0%)

Yellow (97%)

Blue (46%)

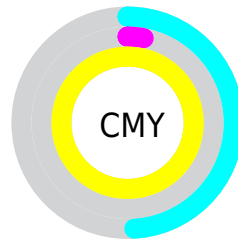


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (49%)



















Magenta (3%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 247, 117 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 0, 247, 117 by changing the saturation by 10% instead.

 0, 247, 117	 0, 247, 117
 255, 255, 255	 0, 218, 120
 92, 255, 155	 0, 190, 128
 122, 255, 154	 0, 162, 160
 152, 255, 153	 0, 135, 135
 182, 255, 182	 0, 108, 108
 212, 255, 212	 0, 83, 83
 242, 255, 242	 0, 58, 58
	 0, 34, 34
	 0, 0, 0

 0, 247, 117

 25, 247, 130

 49, 247, 143

 74, 247, 156

 99, 247, 169

 124, 247, 183

 148, 247, 195

 173, 247, 208

 198, 247, 221

 222, 247, 234

Harmonies

Analogous

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



19, 241, 0



0, 247, 117



0, 166, 255

Triad

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



0, 247, 117



0, 126, 255



255, 99, 199

Complementary

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



0, 247, 117



117, 0, 247

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.



255, 126, 255



0, 247, 117



0, 119, 255

Square

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



0, 247, 117



0, 128, 255



251, 180, 255



255, 146, 102

Rectangle

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



0, 247, 117



0, 140, 255



251, 180, 255



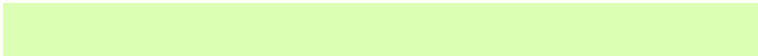
255, 101, 233

Sweetspot

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



0, 247, 117



179, 255, 215



247, 215, 0



82, 128, 104



0, 0, 0



128, 128, 128

Same Dimension

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



0, 247, 117



0, 255, 121



0, 247, 239



110, 122, 115



0, 186, 88



0, 59, 28

Inverse Universe

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



117, 0, 247



121, 0, 255



239, 0, 247



116, 110, 122



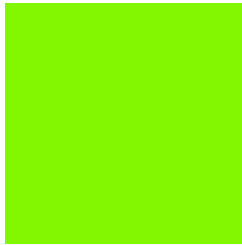
88, 0, 186



28, 0, 59

Previews

White Background



This preview shows how the RYB color 0, 247, 117 looks on a white background.

Color Contrast Check

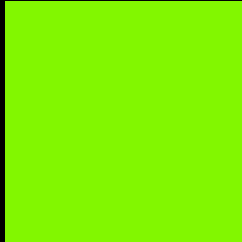
Large Text (above 18pt) WCAG AA × Fail

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 0, 247, 117 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 ✓ Pass

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

RYB 0, 247, 117 Background



This preview shows how black text looks on a background with the RYB color 0, 247, 117.



This preview shows how white text looks on a background with the RYB color 0, 247, 117.

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
0, 247, 117

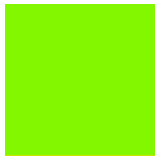
Protanopia
30, 246, 0

Deuteranopia
217, 255, 144



Tritanopia
161, 199, 248

Trichromacy



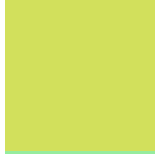
Original Color

0, 247, 117



Protanomaly

0, 229, 25



Deuteranomaly

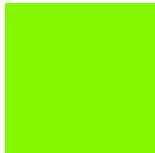
92, 224, 106



Tritanomaly

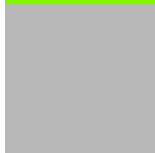
150, 229, 236

Monochromacy



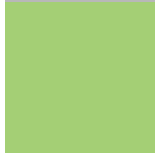
Original Color

0, 247, 117



Achromatopsia

184, 184, 184



Achromatomaly

117, 207, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 247, 117 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(130, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 247, 0)  
}
```

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(130, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 247, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 247, 117 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(130, 247, 0) }
```

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

```
.border{ border-color:rgb(130, 247, 0) }
```

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

Here you see how a box with a 4 pixel rgb(130, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 247,  
0) }
```

Background

The CSS property to change the background color of an element to RGB 0, 247, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 247, 0) }
```

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

```
.background{ background-color: rgb(130,  
247, 0) }
```

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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