

Converting Colors

`RYB(0, 252, 101)`

Have a look what the booklet for
RYB(0, 252, 101) contains.

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Color

RYB(0, 252, 101)

Conversions

Conversions Part 1

Format	Color
Hex	97FC00
RGB	151, 252, 0
RGB Percent	59%, 99%, 0%
CMY	0.4078, 0.0118, 1.0000
CMYK	0.40, 0.00, 1.00, 0.01
HSL	84°, 100%, 49%
HSV	84°, 100%, 99%
XYZ	47.5729, 76.2001, 12.2007
YIQ	193.0730, 20.6960, -99.7840

Conversions

Conversions Part 2

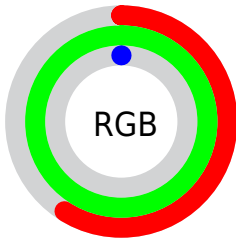
Format	Color
RYB	0, 252, 101
Decimal	9960448
CIELab	89.95, -59.70, 86.26
CIELCh	90, 104.902, 124.690
Yxy	76.2001, 0.3499, 0.5604
Android (android.graphics.Color)	4288150528 (0xFF97FC00)
YUV	193.0730, -95.1850, -36.8980
Hunter-Lab	87.2927, -55.4830, 52.8180

Details

The RYB color **0, 252, 101** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **101, 0, 252**, and the grayscale version is **194, 194, 194**.

A 20% lighter version of the original color is **93, 255, 136**, and **0, 195, 107** is the 20% darker color. If you saturate the color by 10%, you get **0, 252, 101**, and if you desaturate by 10%, it is **25, 252, 116**.

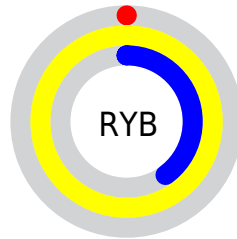
Distribution



Red (59%)

Green (99%)

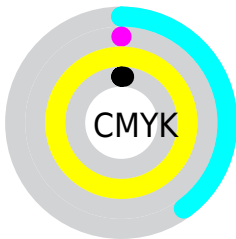
Blue (0%)



Red (0%)

Yellow (99%)

Blue (40%)

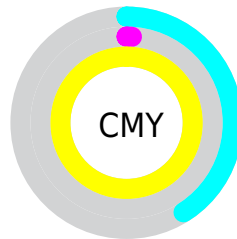


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (41%)



















Magenta (1%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 252, 101 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, 252, 101 by changing the saturation by 10% instead.


 0, 252, 101	 0, 252, 101
 255, 255, 255	 0, 223, 103
 93, 255, 136	 0, 195, 107
 124, 255, 136	 0, 167, 114
 154, 255, 154	 0, 140, 140
 184, 255, 184	 0, 113, 113
 214, 255, 214	 0, 88, 88
 244, 255, 244	 0, 63, 63
	 0, 40, 40
	 0, 0, 0

 0, 252, 101

 25, 252, 116

 50, 252, 131

 76, 252, 147

 101, 252, 162

 126, 252, 176

 151, 252, 191

 176, 252, 206

 202, 252, 222

 227, 252, 237

Harmonies

Analogous

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



31, 255, 0



0, 252, 101



0, 167, 255

Triad

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



0, 252, 101



0, 128, 255



255, 110, 215

Complementary

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



0, 252, 101



101, 0, 252

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, 139, 255



0, 252, 101



0, 122, 255

Square

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



0, 252, 101



0, 128, 255



244, 192, 255



255, 144, 118

Rectangle

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



0, 252, 101



0, 141, 255



244, 192, 255



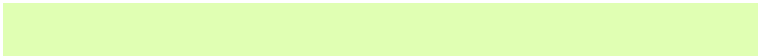
255, 114, 249

Sweetspot

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



0, 252, 101



179, 255, 210



252, 169, 0



82, 128, 101



0, 0, 0



128, 128, 128

Same Dimension

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



0, 252, 101



0, 255, 102



0, 252, 227



112, 125, 117



0, 189, 76



0, 61, 24

Inverse Universe

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



101, 0, 252



102, 0, 255



227, 0, 252



117, 112, 125



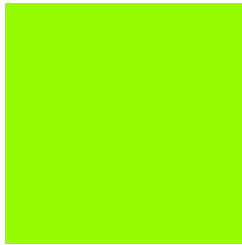
76, 0, 189



25, 0, 61

Previews

White Background



This preview shows how the RYB color 0, 252, 101 looks on a white background.

Color Contrast Check

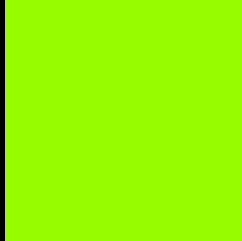
Large Text (above 18pt) WCAG AA × Fail

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, 252, 101 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, 252, 101 Background



This preview shows how black text looks on a background with the RYB color 0, 252, 101.



This preview shows how white text looks on a background with the RYB color 0, 252, 101.

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, 252, 101

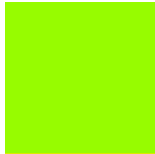
Protanopia
33, 254, 0

Deuteranopia
231, 255, 169



Tritanopia
179, 211, 253

Trichromacy



Original Color

0, 252, 101



Protanomaly

0, 235, 18



Deuteranomaly

108, 231, 122



Tritanomaly

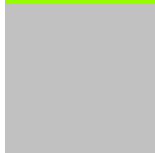
161, 241, 233

Monochromacy



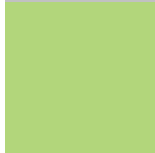
Original Color

0, 252, 101



Achromatopsia

193, 193, 193



Achromatomaly

123, 214, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 252, 101 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(151, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(151, 252, 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(151, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 252, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 252, 101 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(151, 252, 0) }
```

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

```
.border{ border-color:rgb(151, 252, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 252, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(151, 252,  
0) }
```

Background

The CSS property to change the background color of an element to RGB 0, 252, 101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 252, 0) }
```

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

```
.background{ background-color: rgb(151,  
252, 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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