

Converting Colors

`RYB(76, 252, 157)`

Have a look what the booklet for
RYB(76, 252, 157) contains.

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Color

R_YB(76, 252, 157)

Conversions

Conversions Part 1

Format	Color
Hex	ABFC4C
RGB	171, 252, 76
RGB Percent	67%, 99%, 30%
CMY	0.3294, 0.0118, 0.7020
CMYK	0.32, 0.00, 0.70, 0.01
HSL	88°, 97%, 64%
HSV	88°, 70%, 99%
XYZ	52.9095, 78.8005, 19.2589
YIQ	207.7170, 8.2200, -71.9080

Conversions

Conversions Part 2

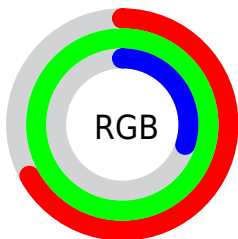
Format	Color
RYB	76, 252, 157
Decimal	11271244
CIELab	91.14, -50.52, 72.46
CIElCh	91, 88.335, 124.882
Yxy	78.8005, 0.3505, 0.5220
Android (android.graphics.Color)	4289461324 (0xFFABFC4C)
YUV	207.7170, -64.9365, -32.2008
Hunter-Lab	88.7697, -48.9553, 49.2756

Details

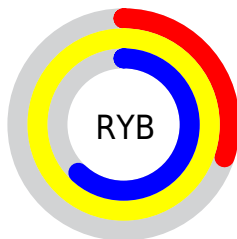
The RYB color **76, 252, 157** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **157, 76, 252**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **134, 255, 158**, and **0, 195, 83** is the 20% darker color. If you saturate the color by 10%, you get **51, 252, 144**, and if you desaturate by 10%, it is **101, 252, 170**.

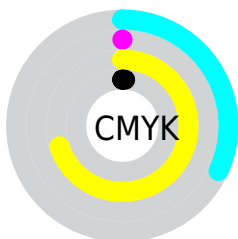
Distribution



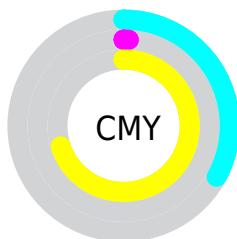
- Red (67%)
- Green (99%)
- Blue (30%)



- Red (30%)
- Yellow (99%)
- Blue (62%)



- Cyan (32%)
- Magenta (0%)
- Yellow (70%)
- Black (1%)




















- Cyan (33%)
- Magenta (1%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 76, 252, 157 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 76, 252, 157 by changing the saturation by 10% instead.

 76, 252, 157	 76, 252, 157
 255, 255, 255	 44, 223, 125
 134, 255, 158	 0, 195, 83
 163, 255, 163	 0, 167, 85
 192, 255, 192	 0, 140, 90
 221, 255, 221	 0, 114, 110
 251, 255, 251	 0, 89, 89
	 0, 64, 64
	 0, 43, 43
	 0, 8, 8

■ 76, 252, 157

■ 76, 252, 157

■ 51, 252, 144

■ 101, 252, 170

■ 26, 252, 130

■ 126, 252, 184

■ 0, 252, 116

■ 152, 252, 198

■ 177, 252, 212

■ 202, 252, 225

■ 227, 252, 238

■ 252, 252, 252

■ 255, 252, 255

Harmonies

Analogous

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



52, 255, 24



76, 252, 157



0, 159, 255

Triad

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



76, 252, 157



0, 128, 255



255, 145, 219

Complementary

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



76, 252, 157



157, 76, 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, 163, 255



76, 252, 157



0, 122, 255

Square

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



76, 252, 157



0, 128, 255



249, 201, 255



255, 170, 137

Rectangle

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



76, 252, 157



0, 139, 255



249, 201, 255



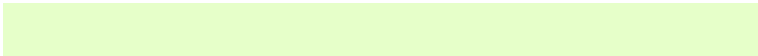
255, 148, 248

Sweetspot

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



76, 252, 157



201, 255, 226



252, 219, 76



96, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



76, 252, 157



41, 255, 140



76, 252, 243



112, 125, 118



0, 189, 87



0, 61, 28

Inverse Universe

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



157, 76, 252



139, 41, 255



243, 76, 252



118, 112, 125



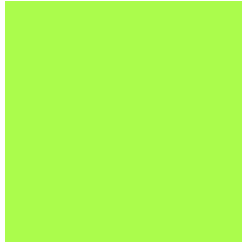
87, 0, 189



28, 0, 61

Previews

White Background



This preview shows how the RYB color 76, 252, 157 looks on a white background.

Color Contrast Check

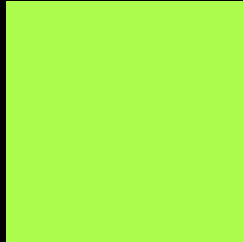
Large Text (above 18pt) WCAG AA × Fail

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 76, 252, 157 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 76, 252, 157 Background



This preview shows how black text looks on a background with the RYB color 76, 252, 157.

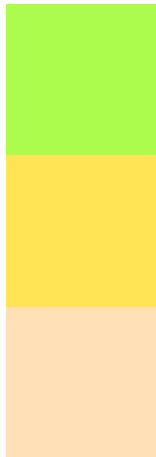


This preview shows how white text looks on a background with the RYB color 76, 252, 157.

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](#).

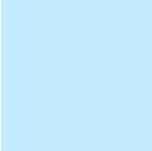
Dichromacy



Original Color
76, 252, 157

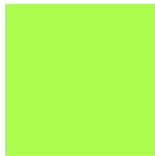
Protanopia
115, 255, 84

Deuteranopia
237, 255, 183



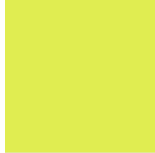
Tritanopia
195, 219, 254

Trichromacy



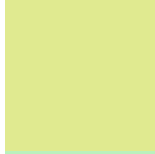
Original Color

76, 252, 157



Protanomaly

81, 237, 94



Deuteranomaly

144, 234, 154



Tritanomaly

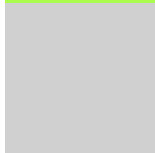
186, 238, 241

Monochromacy



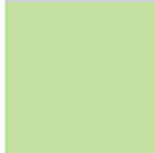
Original Color

76, 252, 157



Achromatopsia

208, 208, 208



Achromatomaly

160, 224, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 76, 252, 157 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(171, 252, 76)` looks like.

```
.text, #text, p{  
    color:rgb(171, 252, 76)  
}
```

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(171, 252, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 252, 76) }
```

Border

The CSS property to change the border of an element to RYB 76, 252, 157 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(171, 252, 76) }
```

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

```
.border{ border-color:rgb(171, 252, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 252, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 252, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 252, 76);  
box-shadow:4px 4px 4px 4px rgb(171, 252,  
76) }
```

Background

The CSS property to change the background color of an element to RGB 171, 252, 76 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 252, 76) }
```

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

```
.background{ background-color: rgb(171,  
252, 76) }
```

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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