

Converting Colors

RGB(52, 237, 128)

Have a look what the booklet for
RGB(52, 237, 128) contains.

RGB(52, 237, 128)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(52, 237, 128)

Conversions

Conversions Part 1

Format	Color
Hex	34ED80
RGB	52, 237, 128
RGB Percent	20%, 93%, 50%
CMY	0.7961, 0.0706, 0.4980
CMYK	0.78, 0.00, 0.46, 0.07
HSL	145°, 84%, 57%
HSV	145°, 78%, 93%
XYZ	35.5966, 62.8570, 30.6785
YIQ	169.2590, -75.2710, -73.1190

Conversions

Conversions Part 2

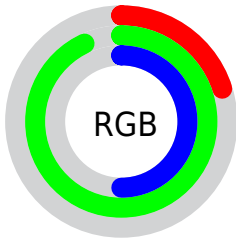
Format	Color
RYB	52, 183, 237
Decimal	3468672
CIELab	83.37, -67.90, 40.21
CIELCh	83, 78.910, 149.368
Yxy	62.8570, 0.2757, 0.4868
Android (android.graphics.Color)	4281658752 (0xFF34ED80)
YUV	169.2590, -20.3407, -102.8361
Hunter-Lab	79.2824, -58.6002, 32.5552

Details

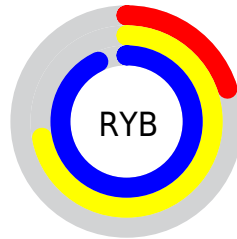
The RGB color **52, 237, 128** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **237, 52, 161**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **127, 255, 182**, and **0, 180, 76** is the 20% darker color. If you saturate the color by 10%, you get **28, 237, 114**, and if you desaturate by 10%, it is **76, 237, 142**.

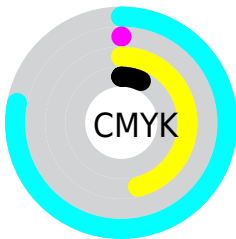
Distribution



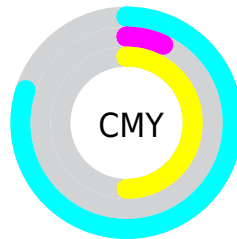
- Red (20%)
- Green (93%)
- Blue (50%)



- Red (20%)
- Yellow (72%)
- Blue (93%)



- Cyan (78%)
- Magenta (0%)
- Yellow (46%)
- Black (7%)

















- Cyan (80%)
- Magenta (7%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RGB color 52, 237, 128 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 52, 237, 128 by changing the saturation by 10% instead.

 52, 237, 128	 52, 237, 128
 255, 255, 255	 0, 208, 102
 127, 255, 182	 0, 180, 76
 159, 255, 210	 0, 152, 51
 190, 255, 239	 0, 125, 25
 222, 255, 255	 0, 98, 0
 253, 255, 255	 0, 72, 0
	 0, 49, 0
	 0, 20, 0
	 0, 0, 0

 52, 237, 128

 52, 237, 128

 28, 237, 114

 76, 237, 142

 5, 237, 100

 99, 237, 156

 0, 237, 97

 123, 237, 170

 147, 237, 184

 171, 237, 198

 194, 237, 212

 218, 237, 226

 242, 237, 240

 255, 237, 254

Harmonies

Analogous

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



173, 225, 64



52, 237, 128



0, 243, 204

Triad

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



52, 237, 128



0, 217, 255



255, 146, 139

Complementary

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



52, 237, 128



237, 52, 161

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, 136, 212



52, 237, 128



204, 189, 255

Square

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



52, 237, 128



0, 234, 255



255, 156, 255



255, 175, 77

Rectangle

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



52, 237, 128



0, 243, 255



255, 156, 255



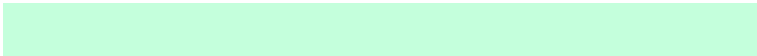
255, 139, 163

Sweetspot

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



52, 237, 128



196, 255, 220



163, 237, 52



92, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



52, 237, 128



15, 255, 114



52, 237, 218



106, 117, 110



0, 181, 74



0, 54, 22

Inverse Universe

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



237, 52, 161



255, 15, 157



237, 52, 71



117, 106, 112



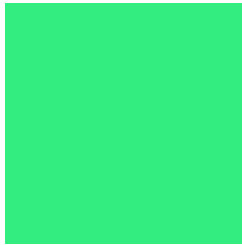
181, 0, 107



54, 0, 32

Previews

White Background



This preview shows how the RGB color 52, 237, 128 looks on a white background.

Color Contrast Check

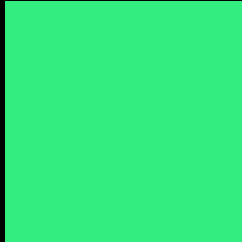
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 52, 237, 128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

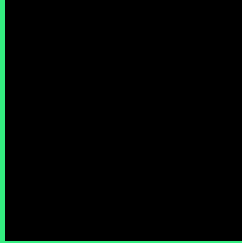
Any Text WCAG AA ✓ Pass

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](#).

RGB 52, 237, 128 Background



This preview shows how black text looks on a background with the RGB color 52, 237, 128.

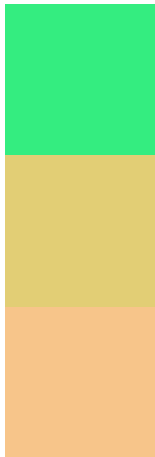


This preview shows how white text looks on a background with the RGB color 52, 237, 128.

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](#).

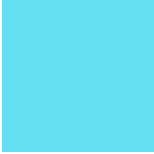
Dichromacy



Original Color
52, 237, 128

Protanopia
226, 206, 117

Deuteranopia
247, 197, 138



Tritanopia
100, 224, 242

Trichromacy



Original Color

52, 237, 128



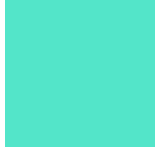
Protanomaly

163, 217, 121



Deuteranomaly

176, 212, 134



Tritanomaly

83, 229, 201

Monochromacy



Original Color

52, 237, 128



Achromatopsia

169, 169, 169



Achromatomaly

126, 194, 154

CSS Examples

Text

The CSS property to change the color of the text to RGB 52, 237, 128 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(52, 237, 128)` looks like.

```
.text, #text, p{  
    color:rgb(52, 237, 128)  
}
```

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(52, 237, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 237, 128) }
```

Border

The CSS property to change the border of an element to RGB 52, 237, 128 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(52, 237, 128) }
```

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

```
.border{ border-color:rgb(52, 237, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 237, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 237, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 237, 128);  
box-shadow:4px 4px 4px 4px rgb(52, 237,  
128) }
```

Background

The CSS property to change the background color of an element to RGB 52, 237, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 237, 128) }
```

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

```
.background{ background-color: rgb(52, 237,  
128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor