

Converting Colors

RGB(50, 249, 153)

Have a look what the booklet for
RGB(50, 249, 153) contains.

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Color

RGB(50, 249, 153)

Conversions

Conversions Part 1

Format	Color
Hex	32F999
RGB	50, 249, 153
RGB Percent	20%, 98%, 60%
CMY	0.8039, 0.0235, 0.4000
CMYK	0.80, 0.00, 0.39, 0.02
HSL	151°, 94%, 59%
HSV	151°, 80%, 98%
XYZ	40.9408, 70.7294, 41.6313
YIQ	178.5550, -87.7880, -72.0440

Conversions

Conversions Part 2

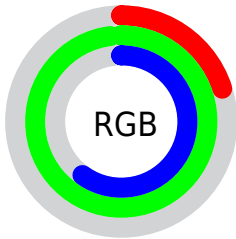
Format	Color
R _{YB}	50, 181, 249
Decimal	3340697
CIE Lab	87.35, -67.88, 33.03
CIE LCh	87, 75.491, 154.049
Yxy	70.7294, 0.2671, 0.4614
Android (android.graphics.Color)	4281530777 (0xFF32F999)
YUV	178.5550, -12.5986, -112.7427
Hunter-Lab	84.1008, -60.2813, 29.5210

Details

The RGB color **50, 249, 153** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **249, 50, 146**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **128, 255, 208**, and **0, 191, 101** is the 20% darker color. If you saturate the color by 10%, you get **25, 249, 141**, and if you desaturate by 10%, it is **75, 249, 165**.

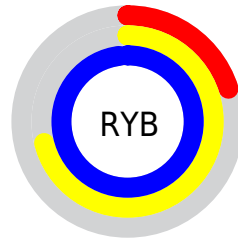
Distribution



Red (20%)

Green (98%)

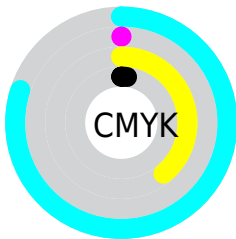
Blue (60%)



Red (20%)

Yellow (71%)

Blue (98%)

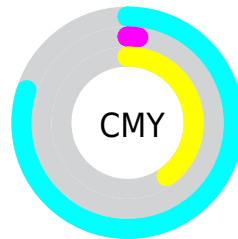


Cyan (80%)

Magenta (0%)

Yellow (39%)

Black (2%)



Cyan (80%)

















Magenta (2%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RGB color 50, 249, 153 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 50, 249, 153 by changing the saturation by 10% instead.

 50, 249, 153	 50, 249, 153
 255, 255, 255	 0, 220, 127
 128, 255, 208	 0, 191, 101
 161, 255, 237	 0, 163, 76
 193, 255, 255	 0, 136, 52
 225, 255, 255	 0, 109, 28
	 0, 83, 2
	 0, 58, 0
	 0, 33, 0
	 0, 0, 0

 50, 249, 153

 50, 249, 153

 25, 249, 141

 75, 249, 165

 0, 249, 129

 100, 249, 177

 0, 249, 129

 125, 249, 189

 150, 249, 201

 174, 249, 213

 199, 249, 225

 224, 249, 237

 249, 249, 249

 255, 249, 255

Harmonies

Analogous

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



174, 238, 92



50, 249, 153



0, 254, 227

Triad

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



50, 249, 153



72, 224, 255



255, 165, 142

Complementary

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



50, 249, 153



249, 50, 146

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, 152, 212



50, 249, 153



234, 196, 255

Square

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



50, 249, 153



0, 243, 255



255, 166, 255



255, 192, 87

Rectangle

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



50, 249, 153



0, 253, 255



255, 166, 255



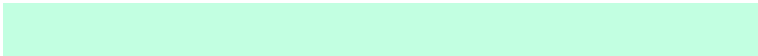
255, 158, 165

Sweetspot

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



50, 249, 153



194, 255, 225



146, 249, 50



91, 128, 110



0, 0, 0



128, 128, 128

Same Dimension

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



50, 249, 153



10, 255, 137



50, 246, 249



112, 125, 119



0, 189, 98



0, 61, 32

Inverse Universe

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



249, 50, 146



255, 10, 128



249, 53, 50



125, 112, 118



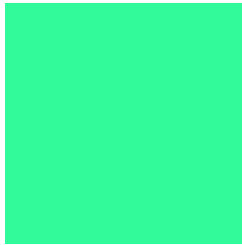
189, 0, 91



61, 0, 30

Previews

White Background



This preview shows how the RGB color 50, 249, 153 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 50, 249, 153 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 50, 249, 153 Background



This preview shows how black text looks on a background with the RGB color 50, 249, 153.

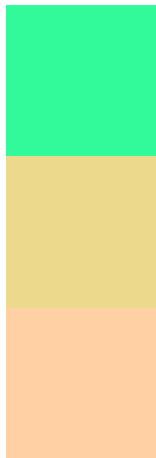


This preview shows how white text looks on a background with the RGB color 50, 249, 153.

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](#).

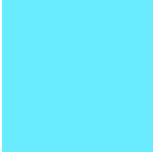
Dichromacy



Original Color
50, 249, 153

Protanopia
236, 217, 140

Deuteranopia
255, 208, 163



Tritanopia
105, 236, 255

Trichromacy



Original Color

50, 249, 153



Protanomaly

168, 229, 145



Deuteranomaly

180, 223, 159



Tritanomaly

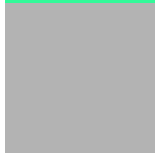
85, 241, 218

Monochromacy



Original Color

50, 249, 153



Achromatopsia

179, 179, 179



Achromatomaly

132, 204, 170

CSS Examples

Text

The CSS property to change the color of the text to RGB 50, 249, 153 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(50, 249, 153)` looks like.

```
.text, #text, p{  
    color:rgb(50, 249, 153)  
}
```

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(50, 249, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 249, 153) }
```

Border

The CSS property to change the border of an element to RGB 50, 249, 153 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(50, 249, 153) }
```

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

```
.border{ border-color:rgb(50, 249, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 249, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 249, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 249, 153);  
box-shadow:4px 4px 4px 4px rgb(50, 249,  
153) }
```

Background

The CSS property to change the background color of an element to RGB 50, 249, 153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 249, 153) }
```

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

```
.background{ background-color: rgb(50, 249,  
153) }
```

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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