

Converting Colors

RGB(33, 255, 114)

Have a look what the booklet for
RGB(33, 255, 114) contains.

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Color

RGB(33, 255, 114)

Conversions

Conversions Part 1

Format	Color
Hex	21FF72
RGB	33, 255, 114
RGB Percent	13%, 100%, 45%
CMY	0.8706, 0.0000, 0.5529
CMYK	0.87, 0.00, 0.55, 0.00
HSL	142°, 100%, 56%
HSV	142°, 87%, 100%
XYZ	39.4245, 73.0582, 27.9434
YIQ	172.5480, -87.0510, -90.9150

Conversions

Conversions Part 2

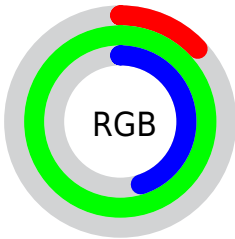
Format	Color
R_{YB}	33, 196, 255
Decimal	2228082
CIE Lab	88.48, -77.44, 53.03
CIE LCh	88, 93.856, 145.595
Yxy	73.0582, 0.2807, 0.5203
Android (android.graphics.Color)	4280418162 (0xFF21FF72)
YUV	172.5480, -28.8642, -122.3836
Hunter-Lab	85.4741, -67.2476, 40.4487

Details

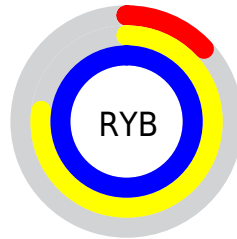
The RGB color **33, 255, 114** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **255, 33, 174**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **123, 255, 169**, and **0, 197, 60** is the 20% darker color. If you saturate the color by 10%, you get **8, 255, 98**, and if you desaturate by 10%, it is **58, 255, 130**.

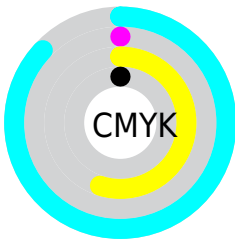
Distribution



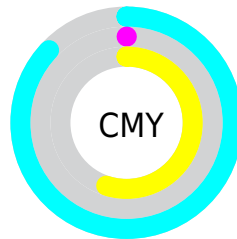
- Red (13%)
- Green (100%)
- Blue (45%)



- Red (13%)
- Yellow (77%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)










- Cyan (87%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RGB color 33, 255, 114 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 33, 255, 114 by changing the saturation by 10% instead.

 33, 255, 114	 33, 255, 114
 255, 255, 255	 0, 225, 87
 123, 255, 169	 0, 197, 60
 157, 255, 197	 0, 168, 31
 190, 255, 226	 0, 140, 0
 222, 255, 255	 0, 113, 0
 254, 255, 255	 0, 87, 0
	 0, 62, 0
	 0, 36, 0
	 0, 0, 0

■ 33, 255, 114

■ 33, 255, 114

■ 8, 255, 98

■ 58, 255, 130

■ 0, 255, 93

■ 84, 255, 146

■ 109, 255, 163

■ 135, 255, 179

■ 161, 255, 195

■ 186, 255, 211

■ 211, 255, 227

■ 237, 255, 244

255, 255, 255

Harmonies

Analogous

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



190, 240, 16



33, 255, 114



0, 255, 206

Triad

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



33, 255, 114



0, 237, 255



255, 139, 150

Complementary

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



33, 255, 114



255, 33, 174

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, 130, 239



33, 255, 114



193, 204, 255

Square

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



33, 255, 114



0, 255, 255



255, 162, 255



255, 177, 70

Rectangle

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



33, 255, 114



0, 255, 255



255, 162, 255



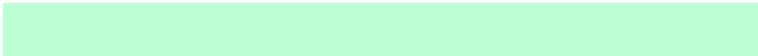
255, 131, 179

Sweetspot

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



33, 255, 114



189, 255, 213



177, 255, 33



88, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



33, 255, 114



0, 255, 93



33, 255, 222



115, 128, 119



0, 191, 70



0, 64, 23

Inverse Universe

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



255, 33, 174



255, 0, 162



255, 33, 66



128, 115, 123



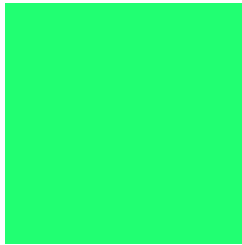
191, 0, 121



64, 0, 40

Previews

White Background



This preview shows how the RGB color 33, 255, 114 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 33, 255, 114 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 33, 255, 114 Background



This preview shows how black text looks on a background with the RGB color 33, 255, 114.

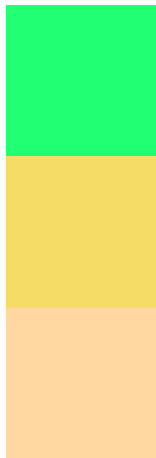


This preview shows how white text looks on a background with the RGB color 33, 255, 114.

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
33, 255, 114

Protanopia
244, 220, 103

Deuteranopia
255, 213, 160



Tritanopia
124, 238, 255

Trichromacy



Original Color

33, 255, 114



Protanomaly

167, 233, 107



Deuteranomaly

174, 228, 143



Tritanomaly

91, 244, 204

Monochromacy



Original Color

33, 255, 114



Achromatopsia

173, 173, 173



Achromatomaly

122, 203, 152

CSS Examples

Text

The CSS property to change the color of the text to RGB 33, 255, 114 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(33, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(33, 255, 114)  
}
```

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(33, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 255, 114) }
```

Border

The CSS property to change the border of an element to RGB 33, 255, 114 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(33, 255, 114) }
```

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

```
.border{ border-color:rgb(33, 255, 114) }
```

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

Here you see how a box with a 4 pixel rgb(33, 255, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(33, 255,  
114) }
```

Background

The CSS property to change the background color of an element to RGB 33, 255, 114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 255, 114) }
```

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

```
.background{ background-color: rgb(33, 255,  
114) }
```

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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