

Converting Colors

RGB(100, 250, 112)

Have a look what the booklet for
RGB(100, 250, 112) contains.

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Color

RGB(100, 250, 112)

Conversions

Conversions Part 1

Format	Color
Hex	64FA70
RGB	100, 250, 112
RGB Percent	39%, 98%, 44%
CMY	0.6078, 0.0196, 0.5608
CMYK	0.60, 0.00, 0.55, 0.02
HSL	125°, 94%, 69%
HSV	125°, 60%, 98%
XYZ	42.3658, 72.2504, 27.0420
YIQ	189.4180, -45.1020, -74.7180

Conversions

Conversions Part 2

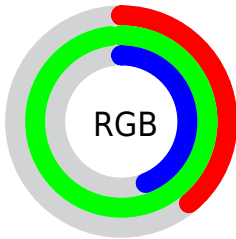
Format	Color
RYB	100, 239, 250
Decimal	6617712
CIELab	88.09, -66.72, 53.75
CIELCh	88, 85.675, 141.146
Yxy	72.2504, 0.2991, 0.5100
Android (android.graphics.Color)	4284807792 (0xFF64FA70)
YUV	189.4180, -38.1671, -78.4196
Hunter-Lab	85.0002, -59.7825, 40.6376

Details

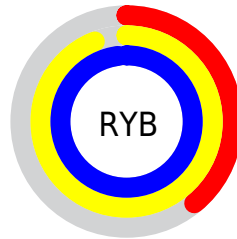
The RGB color **100, 250, 112** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **250, 100, 238**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **163, 255, 167**, and **1, 192, 58** is the 20% darker color. If you saturate the color by 10%, you get **75, 250, 89**, and if you desaturate by 10%, it is **125, 250, 135**.

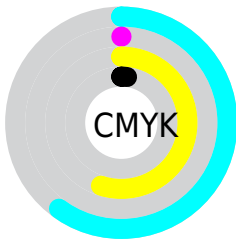
Distribution



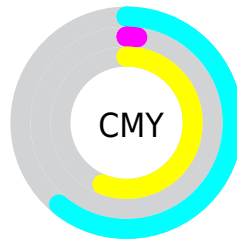
- Red (39%)
- Green (98%)
- Blue (44%)



- Red (39%)
- Yellow (94%)
- Blue (98%)



- Cyan (60%)
- Magenta (0%)
- Yellow (55%)
- Black (2%)



- Cyan (61%)
- Magenta (2%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RGB color 100, 250, 112 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 100, 250, 112 by changing the saturation by 10% instead.

 100, 250, 112

255, 255, 255

 163, 255, 167


 194, 255, 195


 225, 255, 224


255, 255, 253

 100, 250, 112

 64, 221, 85

 1, 192, 58

 0, 164, 29

 0, 137, 0

 0, 110, 0

 0, 84, 0

 0, 60, 0

 0, 35, 0

 0, 0, 0

 100, 250, 112

 100, 250, 112

 75, 250, 89

 125, 250, 135

 50, 250, 66

 150, 250, 158

 25, 250, 43

 175, 250, 181

 0, 250, 20

 200, 250, 204

 225, 250, 227

 250, 250, 250

 255, 250, 255

Harmonies

Analogous

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



206, 234, 44



100, 250, 112



0, 255, 193

Triad

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



100, 250, 112



0, 238, 255



255, 146, 167

Complementary

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



100, 250, 112



250, 100, 238

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, 144, 249



100, 250, 112



174, 210, 255

Square

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



100, 250, 112



0, 253, 255



255, 173, 255



255, 175, 94

Rectangle

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



100, 250, 112



0, 255, 250



255, 173, 255



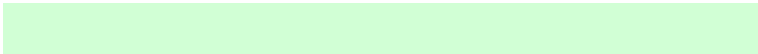
255, 141, 194

Sweetspot

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



100, 250, 112



209, 255, 213



240, 250, 100



99, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



100, 250, 112



71, 255, 86



100, 250, 185



112, 125, 113



0, 189, 15



0, 61, 5

Inverse Universe

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



250, 100, 238



255, 71, 240



250, 100, 165



125, 112, 124



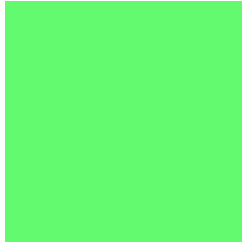
189, 0, 174



61, 0, 56

Previews

White Background



This preview shows how the RGB color 100, 250, 112 looks on a white background.

Color Contrast Check

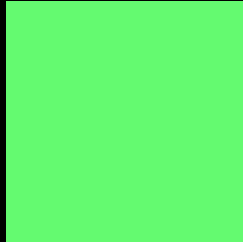
Large Text (above 18pt) WCAG AA × Fail

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 100, 250, 112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

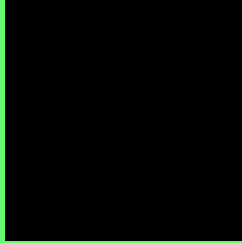
Any Text WCAG AA ✓ Pass

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 100, 250, 112 Background



This preview shows how black text looks on a background with the RGB color 100, 250, 112.

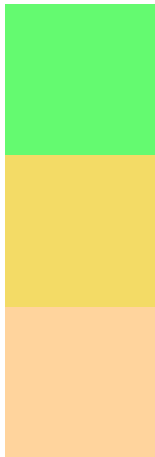


This preview shows how white text looks on a background with the RGB color 100, 250, 112.

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
100, 250, 112

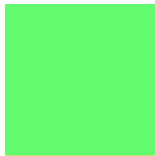
Protanopia
243, 219, 102

Deuteranopia
255, 212, 157



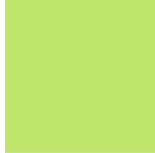
Tritanopia
136, 235, 254

Trichromacy



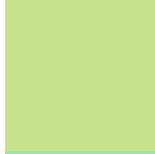
Original Color

100, 250, 112



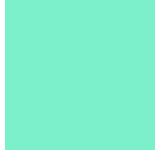
Protanomaly

191, 230, 106



Deuteranomaly

199, 226, 141



Tritanomaly

123, 240, 202

Monochromacy



Original Color

100, 250, 112



Achromatopsia

189, 189, 189



Achromatomaly

157, 211, 161

CSS Examples

Text

The CSS property to change the color of the text to RGB 100, 250, 112 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(100, 250, 112)` looks like.

```
.text, #text, p{  
    color:rgb(100, 250, 112)  
}
```

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(100, 250, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 250, 112) }
```

Border

The CSS property to change the border of an element to RGB 100, 250, 112 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(100, 250, 112) }
```

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

```
.border{ border-color:rgb(100, 250, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 250, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 250, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 250, 112);  
box-shadow:4px 4px 4px 4px rgb(100, 250,  
112) }
```

Background

The CSS property to change the background color of an element to RGB 100, 250, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 250, 112) }
```

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

```
.background{ background-color: rgb(100,  
250, 112) }
```

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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