

Converting Colors

RGB(127, 236, 120)

Have a look what the booklet for
RGB(127, 236, 120) contains.

RGB(127, 236, 120)	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(127, 236, 120)

Conversions

Conversions Part 1

Format	Color
Hex	7FEC78
RGB	127, 236, 120
RGB Percent	50%, 93%, 47%
CMY	0.5020, 0.0745, 0.5294
CMYK	0.46, 0.00, 0.49, 0.07
HSL	116°, 75%, 70%
HSV	116°, 49%, 93%
XYZ	42.1380, 65.8590, 28.2605
YIQ	190.1850, -27.7280, -59.1840

Conversions

Conversions Part 2

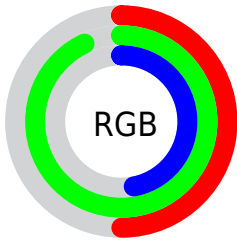
Format	Color
RYB	120, 236, 229
Decimal	8383608
CIELab	84.92, -53.76, 46.43
CIELCh	85, 71.039, 139.186
Yxy	65.8590, 0.3093, 0.4833
Android (android.graphics.Color)	4286573688 (0xFF7FEC78)
YUV	190.1850, -34.6012, -55.4132
Hunter-Lab	81.1536, -49.3347, 36.1607

Details

The RGB color **127, 236, 120** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **229, 120, 236**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **185, 255, 174**, and **67, 179, 68** is the 20% darker color. If you saturate the color by 10%, you get **105, 236, 96**, and if you desaturate by 10%, it is **149, 236, 144**.

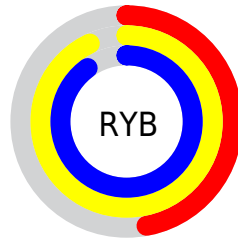
Distribution



Red (50%)

Green (93%)

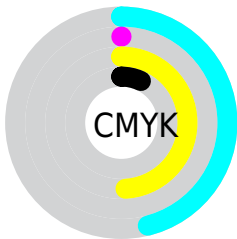
Blue (47%)



Red (47%)

Yellow (93%)

Blue (90%)

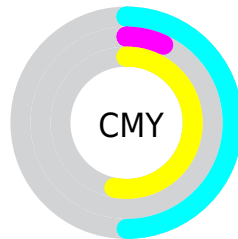


Cyan (46%)

Magenta (0%)

Yellow (49%)

Black (7%)



Cyan (50%)

Magenta (7%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RGB color 127, 236, 120 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 127, 236, 120 by changing the saturation by 10% instead.

 127, 236, 120

255, 255, 255

 185, 255, 174


 215, 255, 202


 245, 255, 231

 127, 236, 120


 98, 207, 94

 67, 179, 68

 30, 152, 42

 0, 125, 11

 0, 99, 0

 0, 74, 0


 0, 51, 0

 0, 26, 0

 0, 0, 0

 127, 236, 120

 127, 236, 120

 105, 236, 96

 149, 236, 144

 83, 236, 73

 171, 236, 167

 60, 236, 49

 194, 236, 191

 38, 236, 26

 216, 236, 214

 16, 236, 2

 238, 236, 238

 14, 236, 0

 255, 236, 255

Harmonies

Analogous

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



207, 222, 75



127, 236, 120



0, 243, 185

Triad

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



127, 236, 120



0, 227, 255



255, 154, 172

Complementary

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



127, 236, 120



229, 120, 236

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, 154, 239



127, 236, 120



171, 204, 255

Square

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



127, 236, 120



0, 240, 255



255, 176, 255



255, 174, 112

Rectangle

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



127, 236, 120



0, 245, 231



255, 176, 255



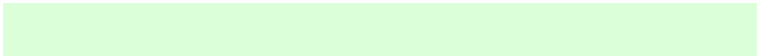
255, 151, 194

Sweetspot

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



127, 236, 120



219, 255, 217



236, 228, 120



106, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



127, 236, 120



114, 255, 105



120, 236, 170



106, 117, 106



11, 181, 0



3, 54, 0

Inverse Universe

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



229, 120, 236



246, 105, 255



236, 120, 186



117, 106, 117



170, 0, 181



50, 0, 54

Previews

White Background



This preview shows how the RGB color 127, 236, 120 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 127, 236, 120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

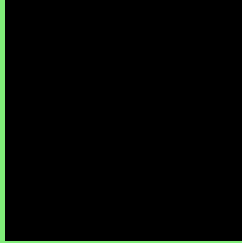
Any Text WCAG AA ✓ Pass

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 127, 236, 120 Background



This preview shows how black text looks on a background with the RGB color 127, 236, 120.

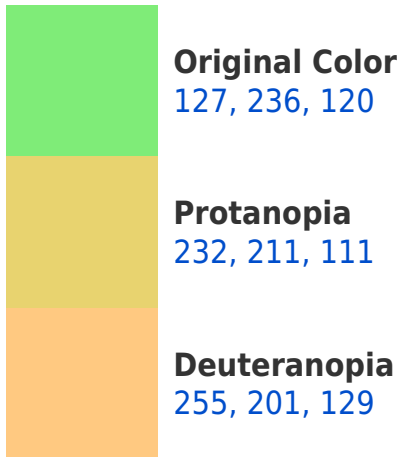


This preview shows how white text looks on a background with the RGB color 127, 236, 120.

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





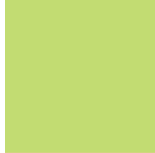
Tritanopia
151, 223, 241

Trichromacy



Original Color

127, 236, 120



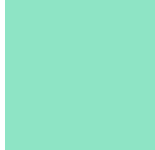
Protanomaly

194, 220, 114



Deuteranomaly

208, 214, 126



Tritanomaly

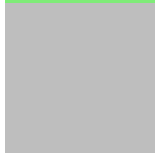
142, 228, 197

Monochromacy



Original Color

127, 236, 120



Achromatopsia

190, 190, 190



Achromatomaly

167, 207, 165

CSS Examples

Text

The CSS property to change the color of the text to RGB 127, 236, 120 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(127, 236, 120)` looks like.

```
.text, #text, p{  
    color:rgb(127, 236, 120)  
}
```

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(127, 236, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 236, 120) }
```

Border

The CSS property to change the border of an element to RGB 127, 236, 120 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(127, 236, 120) }
```

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

```
.border{ border-color:rgb(127, 236, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 236, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 236, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 236, 120); box-shadow:4px 4px 4px 4px rgb(127, 236, 120) }
```

Background

The CSS property to change the background color of an element to RGB 127, 236, 120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 236, 120) }
```

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

```
.background{ background-color: rgb(127,  
236, 120) }
```

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