

Converting Colors

`RYB(119, 238, 147)`

Have a look what the booklet for
RYB(119, 238, 147) contains.

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Color

R_YB(119, 238, 147)

Conversions

Conversions Part 1

Format	Color
Hex	D2EE77
RGB	210, 238, 119
RGB Percent	82%, 93%, 47%
CMY	0.1765, 0.0667, 0.5333
CMYK	0.12, 0.00, 0.50, 0.07
HSL	74°, 78%, 70%
HSV	74°, 50%, 93%
XYZ	60.4827, 76.1826, 28.9697
YIQ	216.0620, 21.5110, -42.9450

Conversions

Conversions Part 2

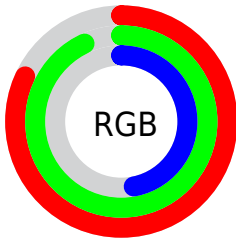
Format	Color
R_{YB}	119, 238, 147
Decimal	13823607
CIE _{Lab}	89.94, -26.59, 54.03
CIE _{LCh}	90, 60.216, 116.205
Yxy	76.1826, 0.3652, 0.4599
Android (android.graphics.Color)	4292013687 (0xFFD2EE77)
YUV	216.0620, -47.8516, -5.3164
Hunter-Lab	87.2827, -29.0528, 41.4191

Details

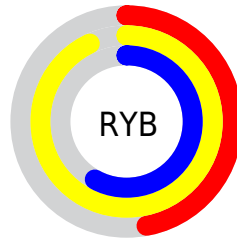
The RYB color **119, 238, 147** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **147, 119, 238**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **174, 255, 174**, and **66, 182, 95** is the 20% darker color. If you saturate the color by 10%, you get **95, 238, 129**, and if you desaturate by 10%, it is **143, 238, 165**.

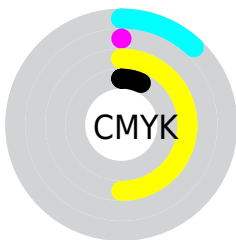
Distribution



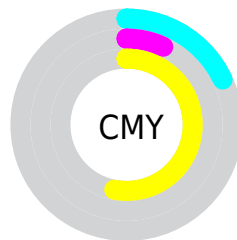
- Red (82%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (58%)



- Cyan (12%)
- Magenta (0%)
- Yellow (50%)
- Black (7%)



- Cyan (18%)
- Magenta (7%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 119, 238, 147 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 RYB color 119, 238, 147 by changing the saturation by 10% instead.

 119, 238, 147

255, 255, 255

 174, 255, 174


 202, 255, 202


 231, 255, 231


 119, 238, 147


 92, 210, 121

 66, 182, 95


 38, 155, 67

 1, 129, 31

 0, 104, 31

 0, 80, 33

 0, 57, 38

 0, 35, 35

 0, 0, 0

■ 119, 238, 147

■ 119, 238, 147

■ 95, 238, 129

■ 143, 238, 165

■ 71, 238, 110

■ 167, 238, 184

■ 48, 238, 93

■ 190, 238, 201

■ 24, 238, 74

■ 214, 238, 220

■ 0, 238, 56

■ 238, 238, 238

■ 244, 238, 255

■ 249, 238, 255

■ 255, 238, 255

Harmonies

Analogous

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



154, 255, 108



119, 238, 147



139, 232, 250

Triad

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



119, 238, 147



0, 126, 255



255, 179, 236

Complementary

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



119, 238, 147



147, 119, 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, 192, 255



119, 238, 147



106, 175, 255

Square

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



119, 238, 147



0, 128, 255



219, 214, 255



255, 182, 178

Rectangle

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



119, 238, 147



70, 179, 254



219, 214, 255



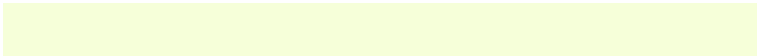
255, 182, 255

Sweetspot

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



119, 238, 147



217, 255, 226



238, 156, 119



105, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



119, 238, 147



102, 255, 138



119, 238, 206



108, 120, 111



0, 184, 44



0, 56, 13

Inverse Universe

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



147, 119, 238



138, 102, 255



206, 119, 238



111, 108, 120



43, 0, 184



13, 0, 56

Previews

White Background



This preview shows how the RYB color 119, 238, 147 looks on a white background.

Color Contrast Check

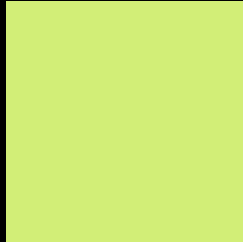
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 119, 238, 147 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](#).

RYB 119, 238, 147 Background



This preview shows how black text looks on a background with the RYB color 119, 238, 147.

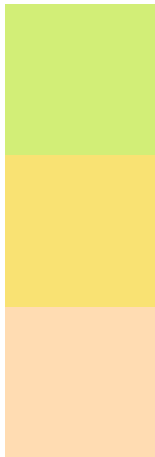


This preview shows how white text looks on a background with the RYB color 119, 238, 147.

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
119, 238, 147

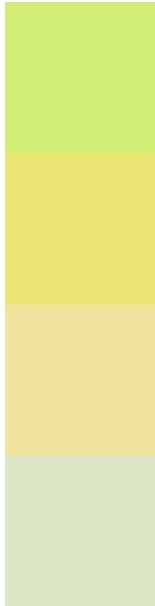
Protanopia
143, 249, 115

Deuteranopia
242, 255, 178



Tritanopia
225, 224, 242

Trichromacy



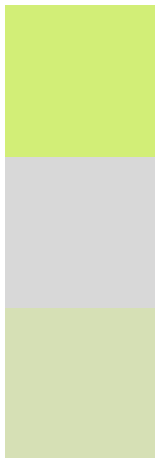
Original Color
119, 238, 147

Protanomaly
121, 235, 116

Deuteranomaly
171, 239, 157

Tritanomaly
197, 229, 206

Monochromacy



Original Color
119, 238, 147

Achromatopsia
216, 216, 216

Achromatomaly
181, 224, 191

CSS Examples

Text

The CSS property to change the color of the text to RGB 119, 238, 147 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(210, 238, 119)` looks like.

```
.text, #text, p{  
    color:rgb(210, 238, 119)  
}
```

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(210, 238, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 238, 119) }
```

Border

The CSS property to change the border of an element to RYB 119, 238, 147 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(210, 238, 119) }
```

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

```
.border{ border-color:rgb(210, 238, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 238, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 238, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 238, 119);  
box-shadow:4px 4px 4px 4px rgb(210, 238,  
119) }
```

Background

The CSS property to change the background color of an element to RYB 119, 238, 147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 238, 119) }
```

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

```
.background{ background-color: rgb(210,  
238, 119) }
```

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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