

Converting Colors

`RYB(129, 255, 207)`

Have a look what the booklet for
RYB(129, 255, 207) contains.

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Color

R_YB(129, 255, 207)

Conversions

Conversions Part 1

Format	Color
Hex	B1FF81
RGB	177, 255, 129
RGB Percent	69%, 100%, 51%
CMY	0.3059, 0.0000, 0.4941
CMYK	0.31, 0.00, 0.49, 0.00
HSL	97°, 100%, 75%
HSV	97°, 49%, 100%
XYZ	57.8539, 82.4521, 33.6345
YIQ	217.3140, -6.0420, -55.7220

Conversions

Conversions Part 2

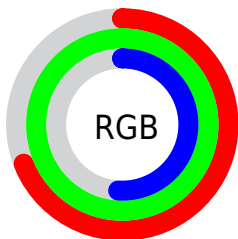
Format	Color
RYB	129, 255, 207
Decimal	11665281
CIELab	92.77, -45.11, 52.34
CIELCh	93, 69.100, 130.756
Yxy	82.4521, 0.3326, 0.4740
Android (android.graphics.Color)	4289855361 (0xFFB1FF81)
YUV	217.3140, -43.5388, -35.3554
Hunter-Lab	90.8031, -45.1768, 41.6005

Details

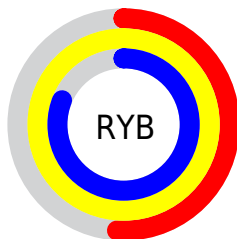
The RYB color **129, 255, 207** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **207, 129, 255**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **184, 255, 204**, and **76, 198, 154** is the 20% darker color. If you saturate the color by 10%, you get **104, 255, 198**, and if you desaturate by 10%, it is **155, 255, 217**.

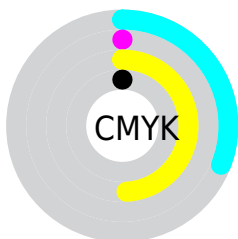
Distribution



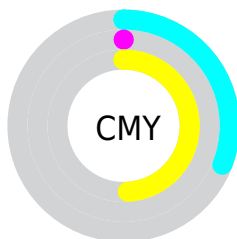
- Red (69%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (81%)



- Cyan (31%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 255, 207 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 129, 255, 207 by changing the saturation by 10% instead.

 129, 255, 207

255, 255, 255


 184, 255, 204


 213, 255, 213


 241, 255, 241


 129, 255, 207


 102, 226, 179

 76, 198, 154

 49, 170, 127


 18, 143, 97

 0, 117, 85

 0, 92, 92

 0, 67, 67

 0, 45, 45

 0, 17, 17

■ 129, 255, 207

■ 129, 255, 207

■ 104, 255, 198

■ 155, 255, 217

■ 78, 255, 188

■ 180, 255, 226

■ 53, 255, 178

■ 206, 255, 237

■ 27, 255, 168

■ 231, 255, 246

■ 2, 255, 159

255, 255, 255

■ 0, 255, 158

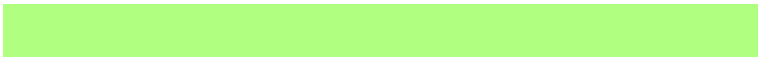
Harmonies

Analogous

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



110, 250, 97



129, 255, 207



63, 179, 255

Triad

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



129, 255, 207



0, 127, 255



255, 177, 213

Complementary

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



129, 255, 207



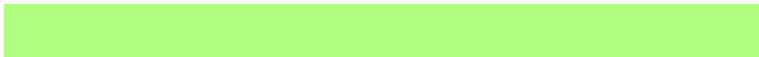
207, 129, 255

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, 184, 255



129, 255, 207



161, 202, 255

Square

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



129, 255, 207



0, 128, 255



255, 207, 255



255, 216, 151

Rectangle

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



129, 255, 207



0, 133, 255



255, 207, 255



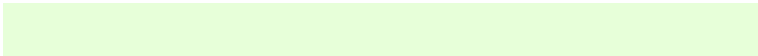
255, 176, 235

Sweetspot

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



129, 255, 207



217, 255, 241



207, 255, 129



105, 128, 120



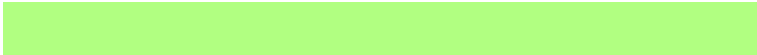
0, 0, 0



128, 128, 128

Same Dimension

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



129, 255, 207



105, 255, 198



129, 242, 255



115, 128, 123



0, 191, 118



0, 64, 40

Inverse Universe

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



207, 129, 255



198, 105, 255



255, 129, 240



123, 115, 128



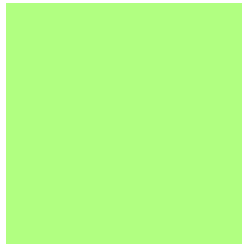
118, 0, 191



39, 0, 64

Previews

White Background



This preview shows how the RYB color 129, 255, 207 looks on a white background.

Color Contrast Check

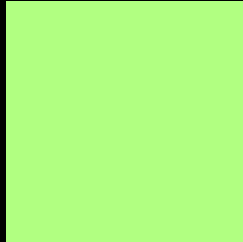
Large Text (above 18pt) WCAG AA × Fail

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 129, 255, 207 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 129, 255, 207 Background



This preview shows how black text looks on a background with the RYB color 129, 255, 207.

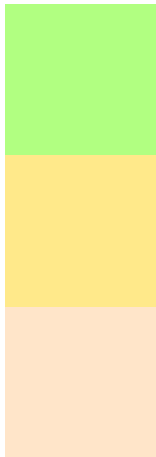


This preview shows how white text looks on a background with the RYB color 129, 255, 207.

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
129, 255, 207

Protanopia
165, 255, 138

Deuteranopia
251, 255, 201



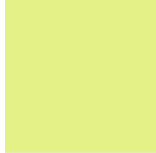
Tritanopia
205, 225, 255

Trichromacy



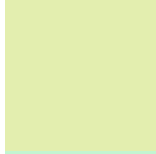
Original Color

129, 255, 207



Protanomaly

135, 241, 149



Deuteranomaly

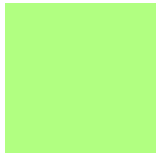
175, 238, 186



Tritanomaly

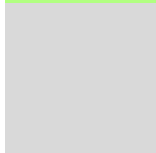
195, 234, 245

Monochromacy



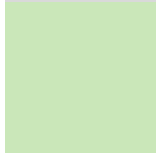
Original Color

129, 255, 207



Achromatopsia

217, 217, 217



Achromatomaly

185, 231, 214

CSS Examples

Text

The CSS property to change the color of the text to RGB 129, 255, 207 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(177, 255, 129)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 129)  
}
```

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(177, 255, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 129) }
```

Border

The CSS property to change the border of an element to RYB 129, 255, 207 is called "border". The border property can be set on classes, ids or directly on the HTML element.

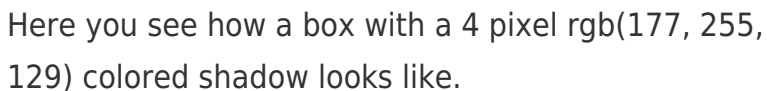
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 255, 129) }
```

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

```
.border{ border-color:rgb(177, 255, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 255, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 255, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 255, 129); box-shadow:4px 4px 4px 4px rgb(177, 255, 129) }
```

Background

The CSS property to change the background color of an element to RYB 129, 255, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 129) }
```

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

```
.background{ background-color: rgb(177,  
255, 129) }
```

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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