

Converting Colors

`RYB(127, 251, 200)`

Have a look what the booklet for
RYB(127, 251, 200) contains.

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Color

R_YB(127, 251, 200)

Conversions

Conversions Part 1

Format	Color
Hex	B2FB7F
RGB	178, 251, 127
RGB Percent	70%, 98%, 50%
CMY	0.3020, 0.0157, 0.5020
CMYK	0.29, 0.00, 0.49, 0.02
HSL	95°, 94%, 74%
HSV	95°, 49%, 98%
XYZ	56.6880, 79.9916, 32.5308
YIQ	215.0370, -3.7040, -54.0400

Conversions

Conversions Part 2

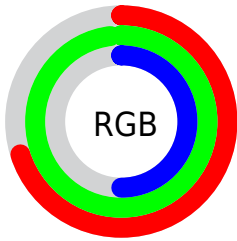
Format	Color
RYB	127, 251, 200
Decimal	11729791
CIELab	91.68, -43.27, 51.95
CIELCh	92, 67.611, 129.787
Yxy	79.9916, 0.3350, 0.4727
Android (android.graphics.Color)	4289919871 (0xFFB2FB7F)
YUV	215.0370, -43.4022, -32.4814
Hunter-Lab	89.4380, -43.3789, 41.0414

Details

The RYB color **127, 251, 200** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **200, 127, 251**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **182, 255, 201**, and **74, 194, 146** is the 20% darker color. If you saturate the color by 10%, you get **102, 251, 190**, and if you desaturate by 10%, it is **152, 251, 210**.

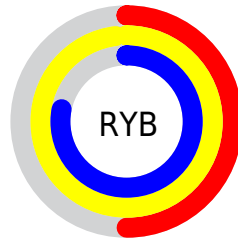
Distribution



Red (70%)

Green (98%)

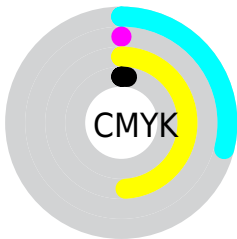
Blue (50%)



Red (50%)

Yellow (98%)

Blue (78%)

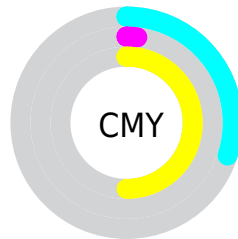


Cyan (29%)

Magenta (0%)

Yellow (49%)

Black (2%)



Cyan (30%)

Magenta (2%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 251, 200 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 127, 251, 200 by changing the saturation by 10% instead.


 127, 251, 200

 127, 251, 200


255, 255, 255

 100, 222, 172

 182, 255, 201


 74, 194, 146

 210, 255, 210

 47, 166, 119

 239, 255, 239


 16, 140, 90

 0, 114, 79

 0, 89, 89

 0, 64, 64

 0, 43, 43

 0, 11, 11

 127, 251, 200

 127, 251, 200

 102, 251, 190

 152, 251, 210

 77, 251, 180

 177, 251, 220

 52, 251, 169

 202, 251, 231

 27, 251, 159

 227, 251, 241

 1, 251, 148

 252, 251, 252

 0, 251, 148

 255, 251, 255

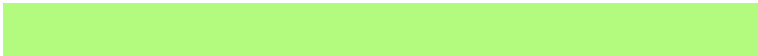
Harmonies

Analogous

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



112, 248, 97



127, 251, 200



72, 186, 255

Triad

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



127, 251, 200



0, 126, 255



255, 175, 212

Complementary

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



127, 251, 200



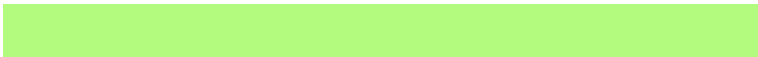
200, 127, 251

Split Complementary

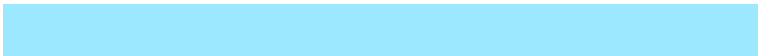
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 182, 255



127, 251, 200



156, 199, 255

Square

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



127, 251, 200



0, 128, 255



255, 205, 255



255, 208, 151

Rectangle

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



127, 251, 200



0, 134, 255



255, 205, 255



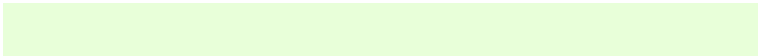
255, 175, 234

Sweetspot

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



127, 251, 200



217, 255, 240



217, 251, 127



105, 128, 119



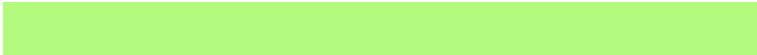
0, 0, 0



128, 128, 128

Same Dimension

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



127, 251, 200



105, 255, 194



127, 242, 251



112, 125, 119



0, 189, 111



0, 61, 36

Inverse Universe

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



200, 127, 251



193, 105, 255



251, 127, 241



120, 112, 125



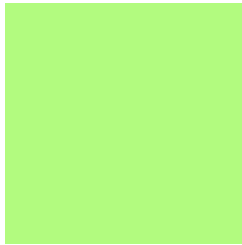
111, 0, 189



36, 0, 61

Previews

White Background



This preview shows how the RYB color 127, 251, 200 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 127, 251, 200 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 127, 251, 200 Background



This preview shows how black text looks on a background with the RYB color 127, 251, 200.

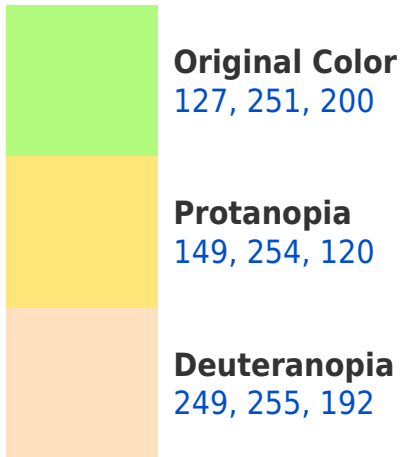


This preview shows how white text looks on a background with the RYB color 127, 251, 200.

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





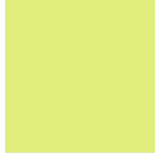
Tritanopia
199, 222, 255

Trichromacy



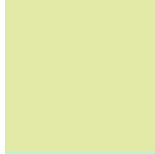
Original Color

127, 251, 200



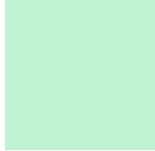
Protanomaly

123, 238, 135



Deuteranomaly

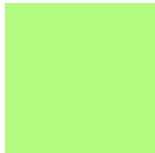
168, 234, 175



Tritanomaly

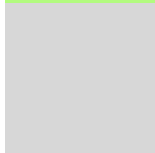
191, 229, 242

Monochromacy



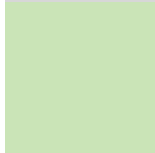
Original Color

127, 251, 200



Achromatopsia

215, 215, 215



Achromatomaly

183, 228, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 251, 200 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(178, 251, 127)` looks like.

```
.text, #text, p{  
    color:rgb(178, 251, 127)  
}
```

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(178, 251, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 251, 127) }
```

Border

The CSS property to change the border of an element to RYB 127, 251, 200 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(178, 251, 127) }
```

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

```
.border{ border-color:rgb(178, 251, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 251, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 251, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 251, 127); box-shadow:4px 4px 4px 4px rgb(178, 251, 127) }
```

Background

The CSS property to change the background color of an element to RYB 127, 251, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 251, 127) }
```

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

```
.background{ background-color: rgb(178,  
251, 127) }
```

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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