

Converting Colors

`RYB(120, 255, 190)`

Have a look what the booklet for
RYB(120, 255, 190) contains.

RYB(120, 255, 190)	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

R_YB(120, 255, 190)

Conversions

Conversions Part 1

Format	Color
Hex	B9FF78
RGB	185, 255, 120
RGB Percent	73%, 100%, 47%
CMY	0.2745, 0.0000, 0.5294
CMYK	0.27, 0.00, 0.53, 0.00
HSL	91°, 100%, 74%
HSV	91°, 53%, 100%
XYZ	59.1577, 83.1904, 30.7087
YIQ	218.6800, 1.6150, -56.8250

Conversions

Conversions Part 2

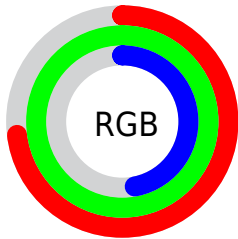
Format	Color
RYB	120, 255, 190
Decimal	12189560
CIELab	93.10, -43.35, 56.94
CIELCh	93, 71.563, 127.281
Yxy	83.1904, 0.3418, 0.4807
Android (android.graphics.Color)	4290379640 (0xFFB9FF78)
YUV	218.6800, -48.6492, -29.5374
Hunter-Lab	91.2087, -43.8407, 43.8840

Details

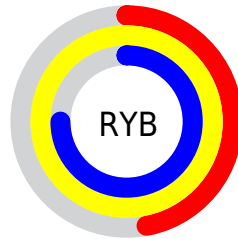
The RYB color **120, 255, 190** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **190, 120, 255**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is **175, 255, 186**, and **66, 198, 136** is the 20% darker color. If you saturate the color by 10%, you get **95, 255, 178**, and if you desaturate by 10%, it is **146, 255, 203**.

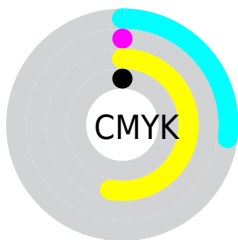
Distribution



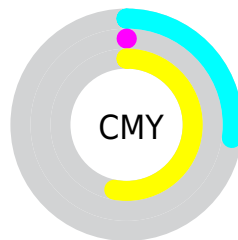
- Red (73%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (75%)



- Cyan (27%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 255, 190 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 120, 255, 190 by changing the saturation by 10% instead.

 120, 255, 190

255, 255, 255


 175, 255, 186


 204, 255, 204


 233, 255, 233


 120, 255, 190


 93, 226, 163

 66, 198, 136

 37, 170, 107


 0, 143, 71

 0, 117, 75

 0, 92, 89

 0, 68, 68

 0, 45, 45

 0, 19, 19

 120, 255, 190

 120, 255, 190

 95, 255, 178

 146, 255, 203

 69, 255, 165

 171, 255, 215

 44, 255, 154

 196, 255, 226

 18, 255, 141

 222, 255, 239

 0, 255, 132

 248, 255, 252

255, 255, 255

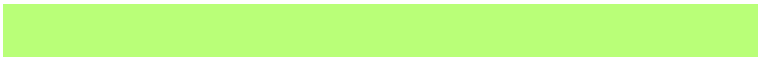
Harmonies

Analogous

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



110, 255, 90



120, 255, 190



74, 189, 255

Triad

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



120, 255, 190



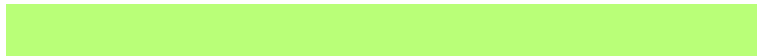
0, 128, 255



255, 174, 221

Complementary

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



120, 255, 190



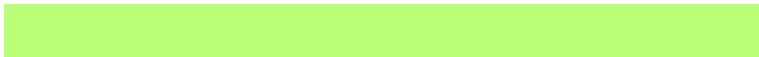
190, 120, 255

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



120, 255, 190



138, 192, 255

Square

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



120, 255, 190



0, 128, 255



255, 210, 255



255, 202, 155

Rectangle

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



120, 255, 190



0, 135, 255



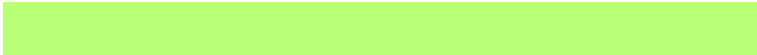
255, 210, 255



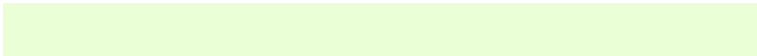
255, 175, 244

Sweetspot

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



120, 255, 190



214, 255, 235



245, 255, 120



103, 128, 116



0, 0, 0



128, 128, 128

Same Dimension

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



120, 255, 190



92, 255, 177



120, 253, 255



115, 128, 122



0, 191, 99



0, 64, 33

Inverse Universe

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



190, 120, 255



176, 92, 255



255, 120, 253



121, 115, 128



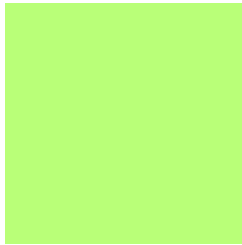
99, 0, 191



33, 0, 64

Previews

White Background



This preview shows how the RYB color 120, 255, 190 looks on a white background.

Color Contrast Check

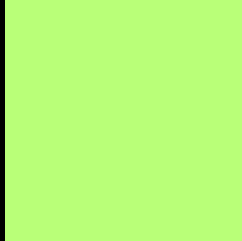
Large Text (above 18pt) WCAG AA × Fail

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 120, 255, 190 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

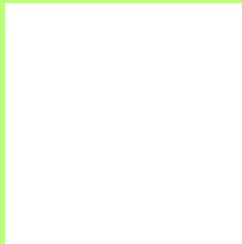
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 120, 255, 190 Background



This preview shows how black text looks on a background with the RYB color 120, 255, 190.

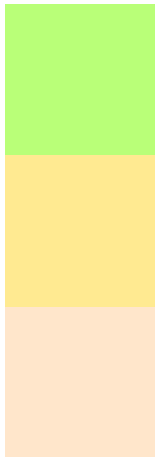


This preview shows how white text looks on a background with the RYB color 120, 255, 190.

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
120, 255, 190

Protanopia
171, 255, 145

Deuteranopia
251, 255, 203



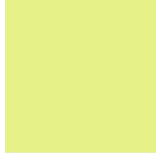
Tritanopia
211, 228, 255

Trichromacy



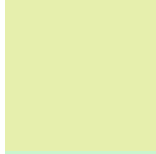
Original Color

120, 255, 190



Protanomaly

136, 242, 148



Deuteranomaly

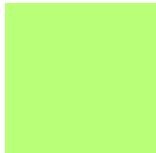
173, 239, 182



Tritanomaly

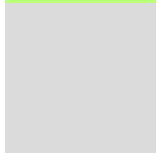
202, 241, 245

Monochromacy



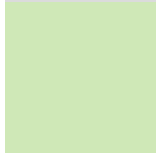
Original Color

120, 255, 190



Achromatopsia

219, 219, 219



Achromatomaly

183, 232, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 255, 190 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(185, 255, 120)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 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(185, 255, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 120) }
```

Border

The CSS property to change the border of an element to RYB 120, 255, 190 is called "border". The border property can be set on classes, ids or directly on the HTML element.

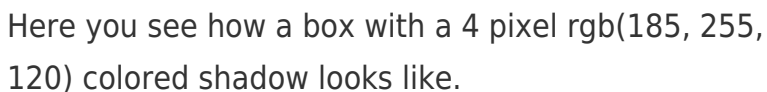
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 255, 120) }
```

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

```
.border{ border-color:rgb(185, 255, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 255, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 120);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
120) }
```

Background

The CSS property to change the background color of an element to RYB 120, 255, 190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 120) }
```

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

```
.background{ background-color: rgb(185,  
255, 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