

Converting Colors

`RYB(120, 230, 151)`

Have a look what the booklet for
RYB(120, 230, 151) contains.

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Color

R_YB(120, 230, 151)

Conversions

Conversions Part 1

Format	Color
Hex	C7E678
RGB	199, 230, 120
RGB Percent	78%, 90%, 47%
CMY	0.2196, 0.0980, 0.5294
CMYK	0.13, 0.00, 0.48, 0.10
HSL	77°, 69%, 69%
HSV	77°, 48%, 90%
XYZ	55.2402, 70.0918, 28.3869
YIQ	208.1910, 16.8340, -40.7820

Conversions

Conversions Part 2

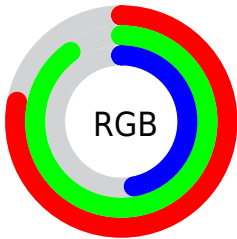
Format	Color
RYB	120, 230, 151
Decimal	13100664
CIELab	87.04, -26.88, 49.89
CIELCh	87, 56.674, 118.318
Yxy	70.0918, 0.3594, 0.4560
Android (android.graphics.Color)	4291290744 (0xFFC7E678)
YUV	208.1910, -43.4782, -8.0605
Hunter-Lab	83.7209, -28.7347, 38.5014

Details

The RYB color **120, 230, 151** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **151, 120, 230**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **174, 255, 174**, and **68, 174, 99** is the 20% darker color. If you saturate the color by 10%, you get **97, 230, 134**, and if you desaturate by 10%, it is **143, 230, 168**.

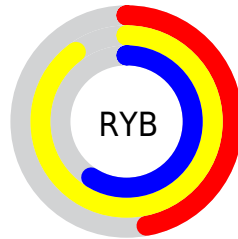
Distribution



Red (78%)

Green (90%)

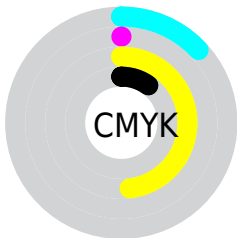
Blue (47%)



Red (47%)

Yellow (90%)

Blue (59%)

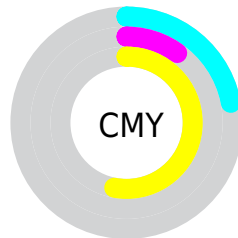


Cyan (13%)

Magenta (0%)

Yellow (48%)

Black (10%)



Cyan (22%)

Magenta (10%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 230, 151 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, 230, 151 by changing the saturation by 10% instead.

 120, 230, 151

255, 255, 255

 174, 255, 174


 202, 255, 202


 231, 255, 231

 120, 230, 151

 94, 202, 125

 68, 174, 99


 41, 148, 73


 9, 122, 41

 0, 97, 33

 0, 73, 34

 0, 50, 42

 0, 31, 31

 0, 0, 0

 120, 230, 151

 120, 230, 151

 97, 230, 134

 143, 230, 168

 74, 230, 118

 166, 230, 184


 51, 230, 101

 189, 230, 201

 28, 230, 85

 212, 230, 217


 5, 230, 68

 231, 230, 235

 0, 230, 65

 238, 230, 255

 244, 230, 255

 251, 230, 255

 255, 230, 255

Harmonies

Analogous

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



161, 253, 108



120, 230, 151



132, 219, 241

Triad

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



120, 230, 151



0, 123, 255



255, 174, 223

Complementary

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



120, 230, 151



151, 120, 230

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, 185, 255



120, 230, 151



119, 179, 255

Square

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



120, 230, 151



0, 125, 255



218, 205, 255



255, 179, 170

Rectangle

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



120, 230, 151



68, 171, 244



218, 205, 255



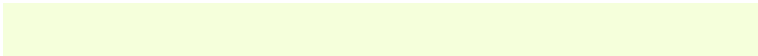
255, 176, 241

Sweetspot

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



120, 230, 151



219, 255, 229



230, 159, 120



106, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



120, 230, 151



110, 255, 151



120, 230, 204



103, 115, 106



0, 179, 51



0, 51, 14

Inverse Universe

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



151, 120, 230



151, 110, 255



204, 120, 230



107, 103, 115



50, 0, 179



14, 0, 51

Previews

White Background



This preview shows how the RYB color 120, 230, 151 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, 230, 151 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, 230, 151 Background



This preview shows how black text looks on a background with the RYB color 120, 230, 151.

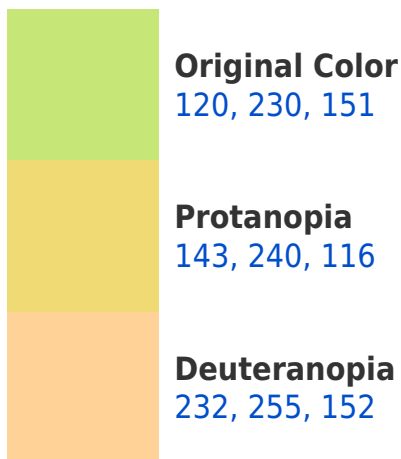


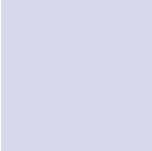
This preview shows how white text looks on a background with the RYB color 120, 230, 151.

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](#).

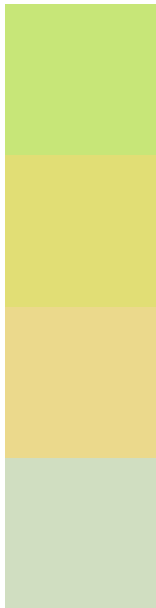
Dichromacy





Tritanopia
213, 216, 234

Trichromacy



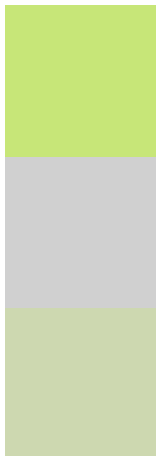
Original Color
120, 230, 151

Protanomaly
120, 225, 117

Deuteranomaly
162, 235, 140

Tritanomaly
193, 222, 207

Monochromacy



Original Color
120, 230, 151

Achromatopsia
208, 208, 208

Achromatomaly
176, 216, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 230, 151 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(199, 230, 120)` looks like.

```
.text, #text, p{  
    color:rgb(199, 230, 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(199, 230, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 230, 120) }
```

Border

The CSS property to change the border of an element to RYB 120, 230, 151 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(199, 230, 120) }
```

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

```
.border{ border-color:rgb(199, 230, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 230, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 230, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 230, 120);  
box-shadow:4px 4px 4px 4px rgb(199, 230,  
120) }
```

Background

The CSS property to change the background color of an element to RYB 120, 230, 151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 230, 120) }
```

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

```
.background{ background-color: rgb(199,  
230, 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](#).

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