

Converting Colors

`RYB(120, 228, 150)`

Have a look what the booklet for
RYB(120, 228, 150) contains.

RYB(120, 228, 150)	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, 228, 150)

Conversions

Conversions Part 1

Format	Color
Hex	C6E478
RGB	198, 228, 120
RGB Percent	78%, 89%, 47%
CMY	0.2235, 0.1059, 0.5294
CMYK	0.13, 0.00, 0.47, 0.11
HSL	77°, 67%, 68%
HSV	77°, 47%, 89%
XYZ	54.4223, 68.8486, 28.1901
YIQ	206.7180, 16.7880, -39.9480

Conversions

Conversions Part 2

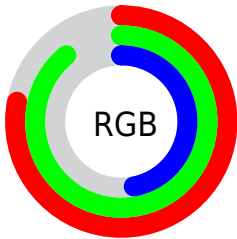
Format	Color
RYB	120, 228, 150
Decimal	13034616
CIELab	86.43, -26.31, 49.13
CIElCh	86, 55.734, 118.171
Yxy	68.8486, 0.3593, 0.4546
Android (android.graphics.Color)	4291224696 (0xFFC6E478)
YUV	206.7180, -42.7520, -7.6457
Hunter-Lab	82.9751, -28.1306, 37.9393

Details

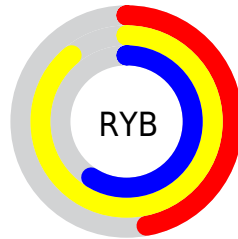
The RYB color **120, 228, 150** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **150, 120, 228**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **174, 255, 174**, and **68, 173, 99** is the 20% darker color. If you saturate the color by 10%, you get **97, 228, 133**, and if you desaturate by 10%, it is **143, 228, 167**.

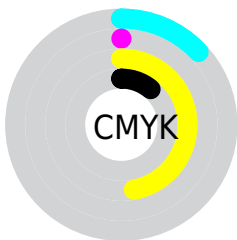
Distribution



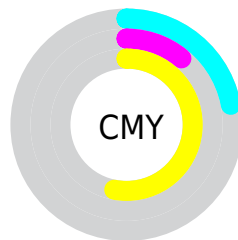
- Red (78%)
- Green (89%)
- Blue (47%)



- Red (47%)
- Yellow (89%)
- Blue (59%)



- Cyan (13%)
- Magenta (0%)
- Yellow (47%)
- Black (11%)



- Cyan (22%)
- Magenta (11%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 228, 150 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, 228, 150 by changing the saturation by 10% instead.

 120, 228, 150

255, 255, 255

 174, 255, 174


 202, 255, 202

 231, 255, 231


 120, 228, 150

 94, 200, 124

 68, 173, 99


 42, 146, 73

 10, 120, 41

 0, 95, 32

 0, 71, 33

 0, 49, 41

 0, 30, 30

 0, 0, 0

120, 228, 150

120, 228, 150

97, 228, 133

143, 228, 167

74, 228, 117

166, 228, 183

52, 228, 101

188, 228, 199

29, 228, 84

211, 228, 216

6, 228, 68

230, 228, 234

0, 228, 63

236, 228, 255

242, 228, 255

249, 228, 255

255, 228, 255

Harmonies

Analogous

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



162, 251, 108



120, 228, 150



133, 217, 238

Triad

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



120, 228, 150



0, 123, 255



255, 173, 222

Complementary

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



120, 228, 150



150, 120, 228

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, 228, 150



119, 178, 255

Square

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



120, 228, 150



0, 124, 255



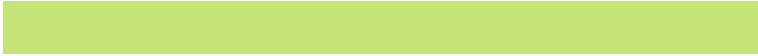
216, 204, 255



255, 178, 169

Rectangle

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



120, 228, 150



71, 171, 242



216, 204, 255



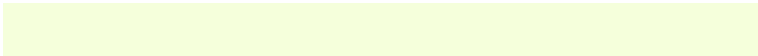
255, 175, 240

Sweetspot

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



120, 228, 150



219, 255, 229



228, 160, 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, 228, 150



110, 255, 150



120, 228, 203



103, 115, 106



0, 179, 50



0, 51, 14

Inverse Universe

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



150, 120, 228



150, 110, 255



203, 120, 228



106, 103, 115



50, 0, 179



14, 0, 51

Previews

White Background



This preview shows how the RYB color 120, 228, 150 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, 228, 150 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, 228, 150 Background



This preview shows how black text looks on a background with the RYB color 120, 228, 150.

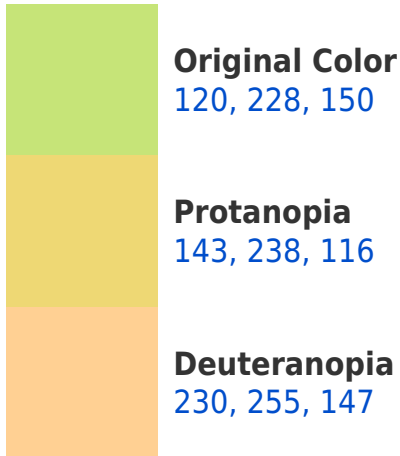


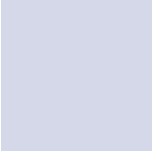
This preview shows how white text looks on a background with the RYB color 120, 228, 150.

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](#).

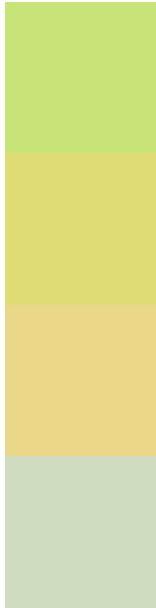
Dichromacy





Tritanopia
212, 215, 232

Trichromacy



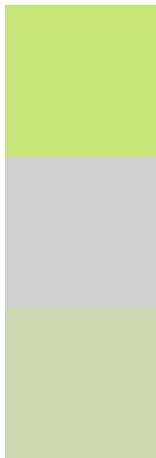
Original Color
120, 228, 150

Protanomaly
120, 223, 117

Deuteranomaly
161, 234, 137

Tritanomaly
191, 220, 204

Monochromacy



Original Color
120, 228, 150

Achromatopsia
207, 207, 207

Achromatomaly
175, 215, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 228, 150 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(198, 228, 120)` looks like.

```
.text, #text, p{  
    color:rgb(198, 228, 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(198, 228, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 228, 120) }
```

Border

The CSS property to change the border of an element to RYB 120, 228, 150 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(198, 228, 120) }
```

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

```
.border{ border-color:rgb(198, 228, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 228, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 228, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 228, 120); box-shadow:4px 4px 4px 4px rgb(198, 228, 120) }
```

Background

The CSS property to change the background color of an element to RYB 120, 228, 150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 228, 120) }
```

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

```
.background{ background-color: rgb(198,  
228, 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