

# Converting Colors

`RYB(123, 225, 148)`

Have a look what the booklet for  
RYB(123, 225, 148) contains.

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# Color

**R<sub>Y</sub>B(123, 225, 148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8E17B
RGB	200, 225, 123
RGB Percent	78%, 88%, 48%
CMY	0.2157, 0.1176, 0.5176
CMYK	0.11, 0.00, 0.45, 0.12
HSL	75°, 63%, 68%
HSV	75°, 45%, 88%
XYZ	54.3198, 67.5598, 28.9163
YIQ	205.8970, 17.8420, -37.0220

# Conversions

## Conversions Part 2

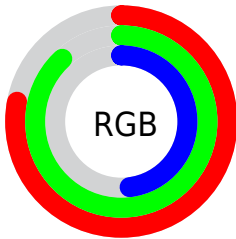
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 225, 148
Decimal	13164923
CIELab	85.79, -23.80, 46.94
CIELCh	86, 52.627, 116.888
Yxy	67.5598, 0.3602, 0.4480
Android (android.graphics.Color)	4291355003 (0xFFC8E17B)
YUV	205.8970, -40.8682, -5.1717
Hunter-Lab	82.1948, -25.8762, 36.6780

# Details

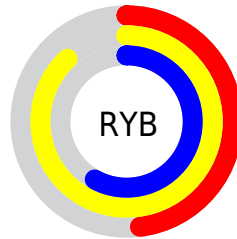
The RYB color **123, 225, 148** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **148, 123, 225**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **177, 255, 177**, and **71, 170, 97** is the 20% darker color. If you saturate the color by 10%, you get **101, 225, 132**, and if you desaturate by 10%, it is **146, 225, 165**.

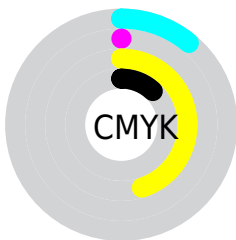
# Distribution



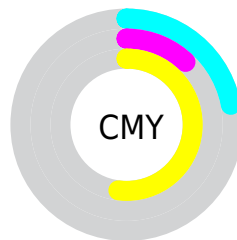
- Red (78%)
- Green (88%)
- Blue (48%)



- Red (48%)
- Yellow (88%)
- Blue (58%)



- Cyan (11%)
- Magenta (0%)
- Yellow (45%)
- Black (12%)



- Cyan (22%)
- Magenta (12%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 123, 225, 148 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 123, 225, 148 by changing the saturation by 10% instead.



 123, 225, 148


255, 255, 255


 177, 255, 177

 205, 255, 205

 234, 255, 234


 123, 225, 148


 97, 197, 122

 71, 170, 97

 45, 143, 71

 17, 118, 44

 0, 93, 28

 0, 69, 28


 0, 47, 34

 0, 28, 28

 0, 0, 0

 123, 225, 148

 123, 225, 148

 101, 225, 132

 146, 225, 165

 78, 225, 114

 168, 225, 182

 56, 225, 98

 191, 225, 199

 33, 225, 80

 213, 225, 216

 11, 225, 64

 228, 225, 235

 0, 225, 55

 233, 225, 255

 239, 225, 255

 244, 225, 255

 250, 225, 255

# Harmonies

## Analogous

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



169, 250, 113



123, 225, 148



140, 220, 235

# Triad

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



123, 225, 148



0, 122, 255



255, 174, 222

# Complementary

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



123, 225, 148



148, 123, 225

# 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



123, 225, 148



123, 179, 255

# Square

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



123, 225, 148



0, 124, 255



211, 203, 255



255, 178, 172

# Rectangle

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



123, 225, 148



88, 178, 239



211, 203, 255



255, 177, 239

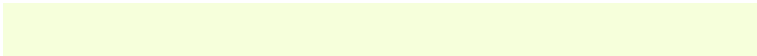


# Sweetspot

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



123, 225, 148



219, 255, 228



225, 154, 123



106, 128, 112



0, 0, 0



128, 128, 128



# Same Dimension

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



123, 225, 148



117, 255, 151



123, 225, 198



101, 112, 104



0, 176, 43



0, 48, 11



# Inverse Universe

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



148, 123, 225



151, 117, 255



198, 123, 225



104, 101, 112



43, 0, 176



12, 0, 48



# Previews

## White Background



This preview shows how the RYB color 123, 225, 148 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 123, 225, 148 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 123, 225, 148 Background



This preview shows how black text looks on a background with the RYB color 123, 225, 148.

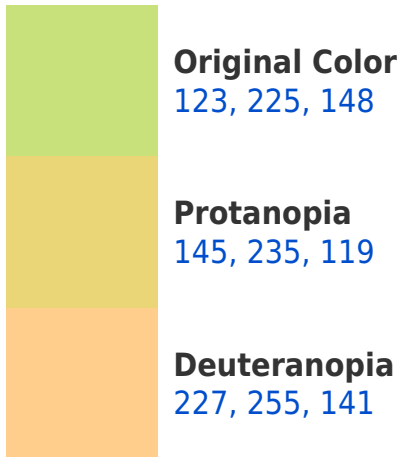


This preview shows how white text looks on a background with the RYB color 123, 225, 148.

# 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, 213, 230

# Trichromacy



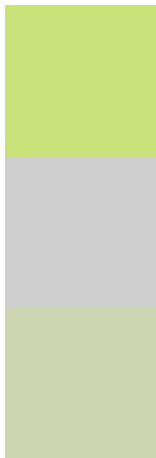
**Original Color**  
123, 225, 148

**Protanomaly**  
124, 222, 120

**Deuteranomaly**  
162, 235, 134

**Tritanomaly**  
191, 217, 200

# Monochromacy



**Original Color**  
123, 225, 148

**Achromatopsia**  
206, 206, 206

**Achromatomaly**  
176, 213, 185

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 123, 225, 148 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(200, 225, 123)` looks like.

```
.text, #text, p{  
    color:rgb(200, 225, 123)  
}
```

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(200, 225, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 225, 123) }
```

## Border

The CSS property to change the border of an element to RYB 123, 225, 148 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(200, 225, 123) }
```

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

```
.border{ border-color:rgb(200, 225, 123) }
```

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

Here you see how a box with a 4 pixel rgb(200, 225, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 225, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 225, 123);  
box-shadow:4px 4px 4px 4px rgb(200, 225,  
123) }
```

# Background

The CSS property to change the background color of an element to RYB 123, 225, 148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 225, 123) }
```

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

```
.background{ background-color: rgb(200,  
225, 123) }
```

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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