

Converting Colors

`RYB(123, 234, 153)`

Have a look what the booklet for
RYB(123, 234, 153) contains.

RYB(123, 234, 153)	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(123, 234, 153)

Conversions

Conversions Part 1

Format	Color
Hex	CCEA7B
RGB	204, 234, 123
RGB Percent	80%, 92%, 48%
CMY	0.2000, 0.0824, 0.5176
CMYK	0.13, 0.00, 0.47, 0.08
HSL	76°, 73%, 70%
HSV	76°, 47%, 92%
XYZ	57.8998, 73.1131, 29.7995
YIQ	212.3760, 17.7510, -40.8810

Conversions

Conversions Part 2

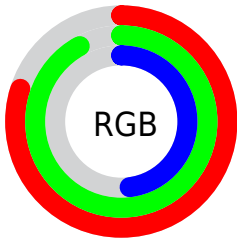
Format	Color
RYB	123, 234, 153
Decimal	13429371
CIELab	88.50, -26.58, 50.32
CIELCh	89, 56.914, 117.846
Yxy	73.1131, 0.3600, 0.4546
Android (android.graphics.Color)	4291619451 (0xFFCCEA7B)
YUV	212.3760, -44.0624, -7.3458
Hunter-Lab	85.5062, -28.7660, 39.1914

Details

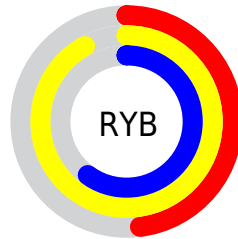
The RYB color **123, 234, 153** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **153, 123, 234**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **178, 255, 178**, and **71, 178, 101** is the 20% darker color. If you saturate the color by 10%, you get **100, 234, 136**, and if you desaturate by 10%, it is **146, 234, 170**.

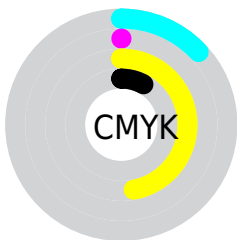
Distribution



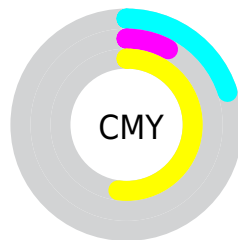
- Red (80%)
- Green (92%)
- Blue (48%)



- Red (48%)
- Yellow (92%)
- Blue (60%)



- Cyan (13%)
- Magenta (0%)
- Yellow (47%)
- Black (8%)



- Cyan (20%)
- Magenta (8%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 234, 153 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, 234, 153 by changing the saturation by 10% instead.

 123, 234, 153

255, 255, 255


 178, 255, 178


 206, 255, 206

 234, 255, 234


 123, 234, 153

 97, 206, 127

 71, 178, 101


 44, 151, 74

 13, 125, 44

 0, 100, 32

 0, 76, 33

 0, 53, 39

 0, 33, 33

 0, 0, 0

■ 123, 234, 153

■ 123, 234, 153

■ 100, 234, 136

■ 146, 234, 170

■ 76, 234, 119

■ 170, 234, 187

■ 53, 234, 102

■ 193, 234, 204

■ 29, 234, 84

■ 217, 234, 222

■ 6, 234, 68

■ 236, 234, 240

■ 0, 234, 63

■ 242, 234, 255

■ 248, 234, 255

■ 255, 234, 255

Harmonies

Analogous

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



161, 255, 111



123, 234, 153



137, 225, 245

Triad

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



123, 234, 153



0, 124, 255



255, 178, 228

Complementary

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



123, 234, 153



153, 123, 234

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, 189, 255



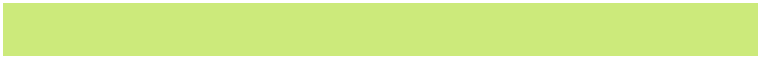
123, 234, 153



121, 181, 255

Square

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



123, 234, 153



0, 126, 255



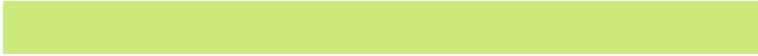
221, 209, 255



255, 183, 174

Rectangle

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



123, 234, 153



75, 177, 249



221, 209, 255



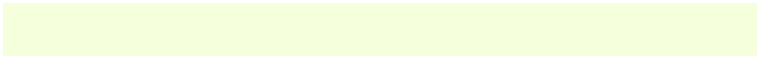
255, 180, 247

Sweetspot

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



123, 234, 153



219, 255, 229



234, 164, 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, 234, 153



110, 255, 149



123, 234, 208



106, 117, 109



0, 181, 49



0, 54, 15

Inverse Universe

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



153, 123, 234



149, 110, 255



208, 123, 234



109, 106, 117



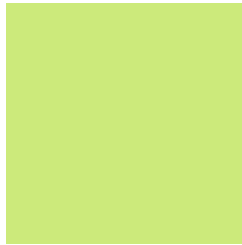
49, 0, 181



14, 0, 54

Previews

White Background



This preview shows how the RYB color 123, 234, 153 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, 234, 153 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, 234, 153 Background



This preview shows how black text looks on a background with the RYB color 123, 234, 153.



This preview shows how white text looks on a background with the RYB color 123, 234, 153.

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
123, 234, 153

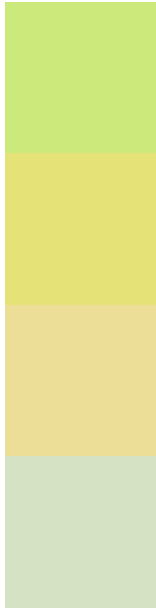
Protanopia
146, 244, 119

Deuteranopia
240, 255, 167



Tritanopia
218, 221, 238

Trichromacy



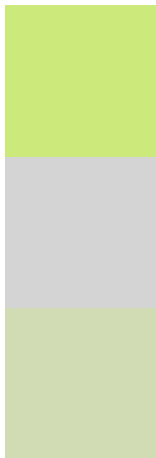
Original Color
123, 234, 153

Protanomaly
123, 229, 120

Deuteranomaly
168, 236, 151

Tritanomaly
196, 226, 209

Monochromacy



Original Color
123, 234, 153

Achromatopsia
212, 212, 212

Achromatomaly
180, 220, 191

CSS Examples

Text

The CSS property to change the color of the text to RGB 123, 234, 153 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(204, 234, 123) looks like.

```
.text, #text, p{  
    color:rgb(204, 234, 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(204, 234, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 234, 123) }
```

Border

The CSS property to change the border of an element to RYB 123, 234, 153 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(204, 234, 123) }
```

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

```
.border{ border-color:rgb(204, 234, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 234, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 234, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 234, 123);  
box-shadow:4px 4px 4px 4px rgb(204, 234,  
123) }
```

Background

The CSS property to change the background color of an element to RYB 123, 234, 153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 234, 123) }
```

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

```
.background{ background-color: rgb(204,  
234, 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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