

# Converting Colors

`RYB(139, 231, 194)`

Have a look what the booklet for  
RYB(139, 231, 194) contains.

<b>RYB(139, 231, 194)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(139, 231, 194)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0E78B
RGB	176, 231, 139
RGB Percent	69%, 91%, 55%
CMY	0.3098, 0.0941, 0.4549
CMYK	0.24, 0.00, 0.40, 0.09
HSL	96°, 66%, 73%
HSV	96°, 40%, 91%
XYZ	51.1406, 68.2460, 34.9035
YIQ	204.0670, -3.2480, -40.2720

# Conversions

## Conversions Part 2

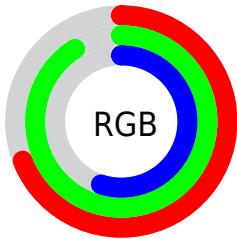
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 231, 194
Decimal	11593611
CIELab	86.13, -33.54, 39.21
CIELCh	86, 51.595, 130.545
Yxy	68.2460, 0.3315, 0.4423
Android (android.graphics.Color)	4289783691 (0xFFB0E78B)
YUV	204.0670, -32.0780, -24.6148
Hunter-Lab	82.6111, -34.0687, 32.7776

# Details

The RYB color **139, 231, 194** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **194, 139, 231**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **194, 255, 216**, and **87, 175, 141** is the 20% darker color. If you saturate the color by 10%, you get **116, 231, 185**, and if you desaturate by 10%, it is **162, 231, 203**.

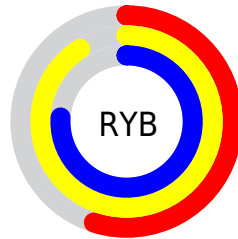
# Distribution



Red (69%)

Green (91%)

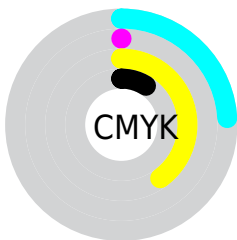
Blue (55%)



Red (55%)

Yellow (91%)

Blue (76%)

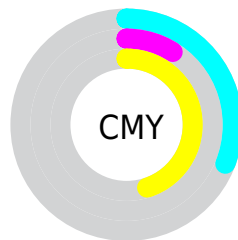


Cyan (24%)

Magenta (0%)

Yellow (40%)

Black (9%)



Cyan (31%)

Magenta (9%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 139, 231, 194 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 139, 231, 194 by changing the saturation by 10% instead.



 139, 231, 194

255, 255, 255


 194, 255, 216


 222, 255, 222

 251, 255, 251

 139, 231, 194

 113, 203, 168

 87, 175, 141


 62, 148, 115

 38, 122, 91

 10, 97, 64

 0, 73, 59

 0, 50, 50

 0, 30, 30

 0, 0, 0

 139, 231, 194

 139, 231, 194

 116, 231, 185

 162, 231, 203

 93, 231, 176

 185, 231, 212

 70, 231, 166

 208, 231, 222

 47, 231, 157

 231, 231, 231

 23, 231, 147

 245, 231, 254

 0, 231, 138

 255, 231, 255

# Harmonies

## Analogous

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



129, 229, 117



139, 231, 194



111, 194, 239

# Triad

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



139, 231, 194



61, 151, 255



255, 176, 200

# Complementary

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



139, 231, 194



194, 139, 231

# Split Complementary

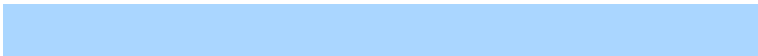
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 181, 249



139, 231, 194



170, 199, 255

# Square

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



139, 231, 194



0, 123, 255



243, 196, 255



255, 199, 154

# Rectangle

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



139, 231, 194



42, 148, 241



243, 196, 255



255, 176, 216



# Sweetspot

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



139, 231, 194



224, 255, 242



204, 231, 139



110, 128, 121



0, 0, 0



128, 128, 128

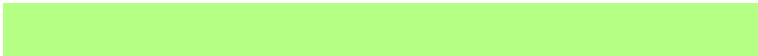


# Same Dimension

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



139, 231, 194



133, 255, 206



139, 224, 231



103, 115, 110



0, 179, 107



0, 51, 30



# Inverse Universe

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



194, 139, 231



206, 133, 255



231, 139, 223



110, 103, 115



107, 0, 179

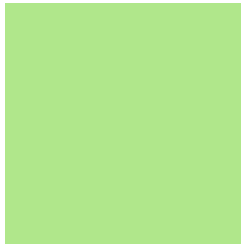


30, 0, 51



# Previews

## White Background



This preview shows how the RYB color 139, 231, 194 looks on a white background.

## Color Contrast Check

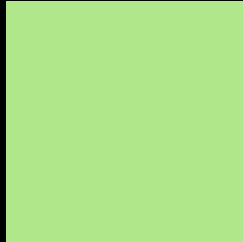
Large Text (above 18pt) WCAG AA × Fail

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 139, 231, 194 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

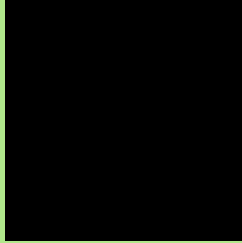
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 139, 231, 194 Background



This preview shows how black text looks on a background with the RYB color 139, 231, 194.

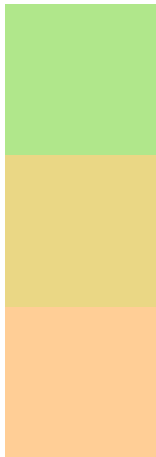


This preview shows how white text looks on a background with the RYB color 139, 231, 194.

# 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**  
139, 231, 194

**Protanopia**  
156, 234, 133

**Deuteranopia**  
242, 255, 150



**Tritanopia**  
191, 208, 237

# Trichromacy



**Original Color**

139, 231, 194



**Protanomaly**

135, 221, 143



**Deuteranomaly**

159, 226, 146



**Tritanomaly**

186, 212, 223

# Monochromacy



**Original Color**

139, 231, 194



**Achromatopsia**

204, 204, 204



**Achromatomaly**

180, 214, 200

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 139, 231, 194 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(176, 231, 139) looks like.

```
.text, #text, p{  
    color:rgb(176, 231, 139)  
}
```

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(176, 231, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 231, 139) }
```

## Border

The CSS property to change the border of an element to RYB 139, 231, 194 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(176, 231, 139) }
```

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

```
.border{ border-color:rgb(176, 231, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 231, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 231, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 231, 139); box-shadow:4px 4px 4px 4px rgb(176, 231, 139) }
```

# Background

The CSS property to change the background color of an element to RYB 139, 231, 194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 231, 139) }
```

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

```
.background{ background-color: rgb(176,  
231, 139) }
```

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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