

Converting Colors

`RYB(167, 229, 193)`

Have a look what the booklet for
RYB(167, 229, 193) contains.

RYB(167, 229, 193)	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(167, 229, 193)

Conversions

Conversions Part 1

Format	Color
Hex	CBE5A7
RGB	203, 229, 167
RGB Percent	80%, 90%, 65%
CMY	0.2039, 0.1020, 0.3451
CMYK	0.11, 0.00, 0.27, 0.10
HSL	85°, 54%, 78%
HSV	85°, 27%, 90%
XYZ	59.6230, 71.5252, 47.2225
YIQ	214.1580, 4.4060, -24.7940

Conversions

Conversions Part 2

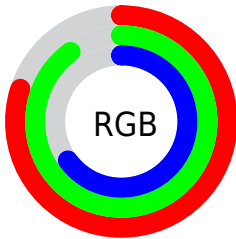
Format	Color
RYB	167, 229, 193
Decimal	13362599
CIELab	87.74, -19.14, 27.47
CIELCh	88, 33.480, 124.858
Yxy	71.5252, 0.3343, 0.4010
Android (android.graphics.Color)	4291552679 (0xFFCBE5A7)
YUV	214.1580, -23.2489, -9.7856
Hunter-Lab	84.5725, -22.1609, 26.0952

Details

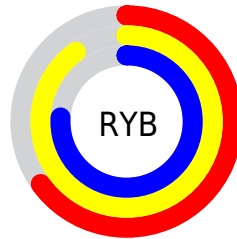
The RYB color **167, 229, 193** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **193, 167, 229**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **222, 255, 222**, and **115, 173, 140** is the 20% darker color. If you saturate the color by 10%, you get **144, 229, 180**, and if you desaturate by 10%, it is **190, 229, 206**.

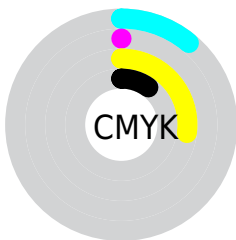
Distribution



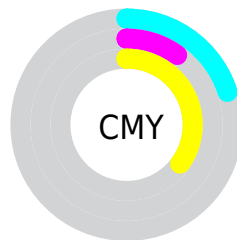
- Red (80%)
- Green (90%)
- Blue (65%)



- Red (65%)
- Yellow (90%)
- Blue (76%)



- Cyan (11%)
- Magenta (0%)
- Yellow (27%)
- Black (10%)



- Cyan (20%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 167, 229, 193 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 167, 229, 193 by changing the saturation by 10% instead.

 167, 229, 193

255, 255, 255

 222, 255, 222

 251, 255, 251

 167, 229, 193


 140, 201, 166

 115, 173, 140

 90, 147, 115

 66, 121, 90

 42, 96, 66

 20, 72, 44

 0, 50, 23


 0, 30, 30

 0, 0, 0

 167, 229, 193

 167, 229, 193

 144, 229, 180

 190, 229, 206

 121, 229, 166

 213, 229, 220


 98, 229, 153

 232, 229, 236

 75, 229, 139

 241, 229, 255

 53, 229, 127

 251, 229, 255

 30, 229, 114

 255, 229, 255

 7, 229, 100

 0, 229, 96

Harmonies

Analogous

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



179, 238, 156



167, 229, 193



166, 216, 235

Triad

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



167, 229, 193



144, 193, 255



255, 196, 216

Complementary

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



167, 229, 193



193, 167, 229

Split Complementary

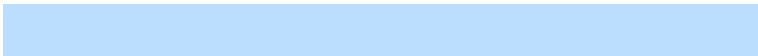
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 200, 248



167, 229, 193



187, 210, 255

Square

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



167, 229, 193



122, 183, 255



231, 210, 255



255, 204, 185

Rectangle

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



167, 229, 193



144, 197, 237



231, 210, 255



255, 197, 227

Sweetspot

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



167, 229, 193



235, 255, 244



229, 212, 167



115, 128, 121



0, 0, 0



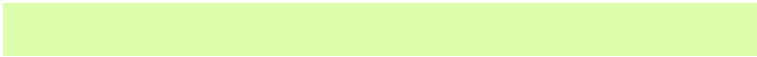
128, 128, 128

Same Dimension

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



167, 229, 193



173, 255, 207



167, 229, 224



103, 115, 108



0, 179, 75



0, 51, 21

Inverse Universe

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



193, 167, 229



208, 173, 255



224, 167, 229



108, 103, 115



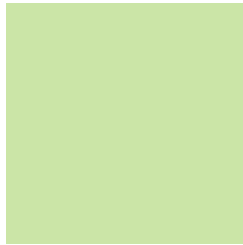
75, 0, 179



21, 0, 51

Previews

White Background



This preview shows how the RYB color 167, 229, 193 looks on a white background.

Color Contrast Check

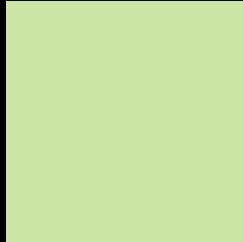
Large Text (above 18pt) WCAG AA × Fail

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 167, 229, 193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

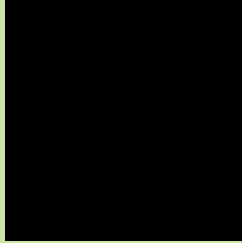
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

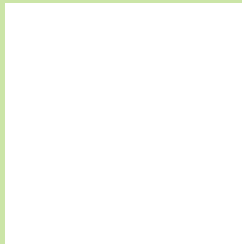
Any Text WCAG AAA ✓ Pass

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

RYB 167, 229, 193 Background



This preview shows how black text looks on a background with the RYB color 167, 229, 193.

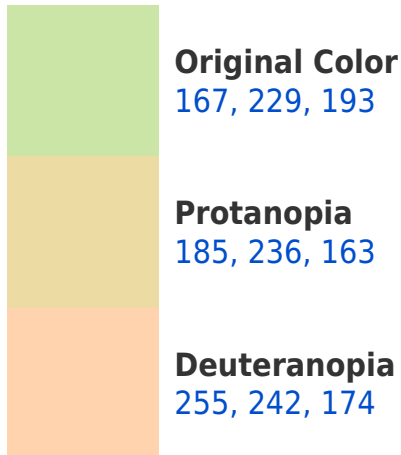


This preview shows how white text looks on a background with the RYB color 167, 229, 193.

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](#).

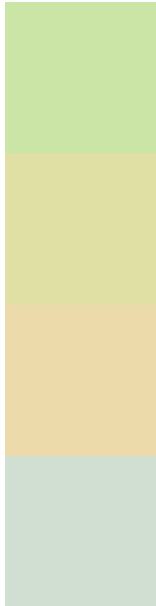
Dichromacy





Tritanopia
213, 218, 237

Trichromacy



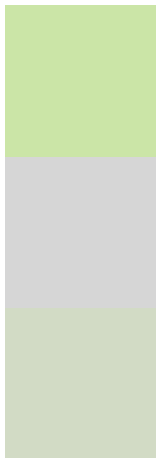
Original Color
167, 229, 193

Protanomaly
165, 224, 164

Deuteranomaly
196, 236, 171

Tritanomaly
209, 221, 223

Monochromacy



Original Color
167, 229, 193

Achromatopsia
214, 214, 214

Achromatomaly
197, 219, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 167, 229, 193 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(203, 229, 167)` looks like.

```
.text, #text, p{  
    color:rgb(203, 229, 167)  
}
```

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(203, 229, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 229, 167) }
```

Border

The CSS property to change the border of an element to RYB 167, 229, 193 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(203, 229, 167) }
```

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

```
.border{ border-color:rgb(203, 229, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 229, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 229, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 229, 167);  
box-shadow:4px 4px 4px 4px rgb(203, 229,  
167) }
```

Background

The CSS property to change the background color of an element to RYB 167, 229, 193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 229, 167) }
```

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

```
.background{ background-color: rgb(203,  
229, 167) }
```

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