

Converting Colors

`RYB(199, 232, 234)`

Have a look what the booklet for RYB(199, 232, 234) contains.

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Color

R_YB(199, 232, 234)

Conversions

Conversions Part 1

Format	Color
Hex	C7EAC9
RGB	199, 234, 201
RGB Percent	78%, 92%, 79%
CMY	0.2196, 0.0824, 0.2113
CMYK	0.15, 0.00, 0.14, 0.08
HSL	124°, 45%, 85%
HSV	124°, 15%, 92%
XYZ	63.5329, 75.2105, 66.5017
YIQ	219.7730, -10.2670, -17.6830

Conversions

Conversions Part 2

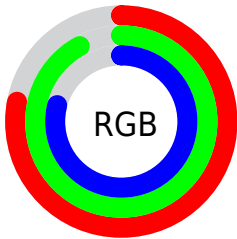
Format	Color
RYB	199, 232, 234
Decimal	13101769
CIELab	89.49, -17.53, 12.19
CIELCh	89, 21.352, 145.177
Yxy	75.2105, 0.3095, 0.3664
Android (android.graphics.Color)	4291291849 (0xFFC7EAC9)
YUV	219.7730, -9.2551, -18.2179
Hunter-Lab	86.7240, -21.0002, 15.2420

Details

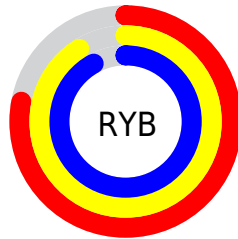
The RYB color **199, 232, 234** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **234, 199, 232**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is 255, 255, 255, and **145, 176, 178** is the 20% darker color. If you saturate the color by 10%, you get **176, 231, 234**, and if you desaturate by 10%, it is **222, 233, 234**.

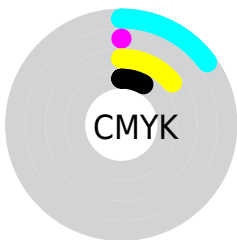
Distribution



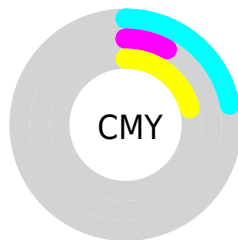
- Red (78%)
- Green (92%)
- Blue (79%)



- Red (78%)
- Yellow (91%)
- Blue (92%)



- Cyan (15%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)



- Cyan (22%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 232, 234 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 199, 232, 234 by changing the saturation by 10% instead.

■ 199, 232, 234

255, 255, 255

■ 199, 232, 234

■ 172, 204, 206

■ 145, 176, 178

■ 119, 149, 151

■ 94, 123, 125

■ 70, 97, 100

■ 46, 72, 76

■ 24, 49, 53

■ 2, 30, 32

■ 0, 0, 0

 199, 232, 234

 199, 232, 234

 176, 231, 234

 222, 233, 234

 152, 229, 234

 246, 234, 245

 129, 228, 234

 255, 234, 255

 105, 226, 234

 82, 226, 234

 59, 225, 234

 35, 223, 234

 12, 222, 234

 0, 221, 234

Harmonies

Analogous

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



188, 229, 195



199, 232, 234



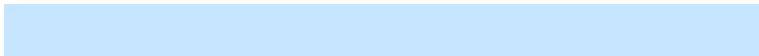
180, 213, 237

Triad

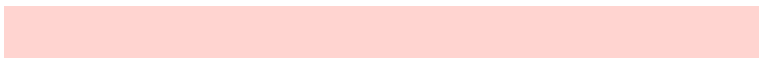
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



199, 232, 234



198, 218, 255



255, 212, 208

Complementary

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



199, 232, 234



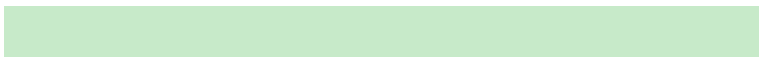
234, 199, 232

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, 211, 229



199, 232, 234



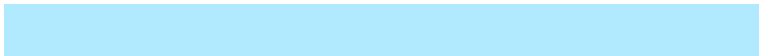
225, 221, 255

Square

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



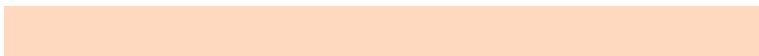
199, 232, 234



177, 210, 255



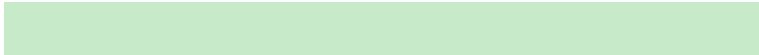
248, 215, 248



255, 231, 192

Rectangle

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



199, 232, 234



172, 205, 237



248, 215, 248



255, 211, 215

Sweetspot

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



199, 232, 234



245, 255, 255



199, 234, 201



121, 127, 128



0, 0, 0



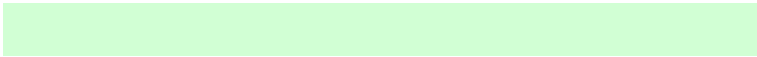
128, 128, 128

Same Dimension

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



199, 232, 234



209, 252, 255



199, 222, 234



106, 117, 117



0, 171, 181



0, 51, 54

Inverse Universe

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



234, 199, 232



255, 209, 252



234, 199, 215



117, 106, 117



181, 0, 170



54, 0, 50

Previews

White Background



This preview shows how the RYB color 199, 232, 234 looks on a white background.

Color Contrast Check

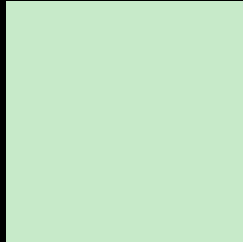
Large Text (above 18pt) WCAG AA × Fail

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 199, 232, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

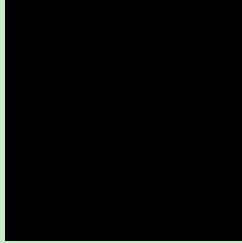
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

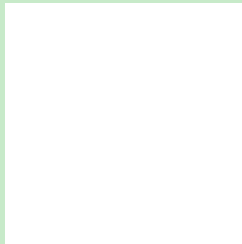
Any Text WCAG AAA ✓ Pass

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

RYB 199, 232, 234 Background



This preview shows how black text looks on a background with the RYB color 199, 232, 234.

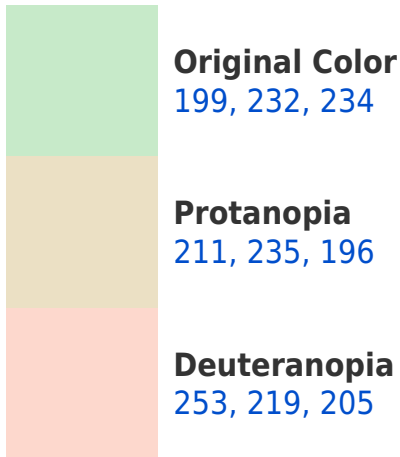


This preview shows how white text looks on a background with the RYB color 199, 232, 234.

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](#).

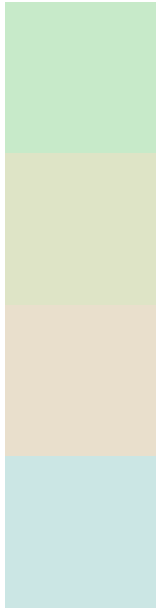
Dichromacy





Tritanopia
206, 220, 246

Trichromacy



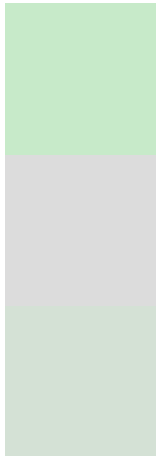
Original Color
199, 232, 234

Protanomaly
198, 228, 204

Deuteranomaly
219, 233, 204

Tritanomaly
203, 217, 230

Monochromacy



Original Color
199, 232, 234

Achromatopsia
220, 220, 220

Achromatomaly
212, 224, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 232, 234 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(199, 234, 201)` looks like.

```
.text, #text, p{  
    color:rgb(199, 234, 201)  
}
```

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(199, 234, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 234, 201) }
```

Border

The CSS property to change the border of an element to RYB 199, 232, 234 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(199, 234, 201) }
```

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

```
.border{ border-color:rgb(199, 234, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 234, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 234, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 234, 201);  
box-shadow:4px 4px 4px 4px rgb(199, 234,  
201) }
```

Background

The CSS property to change the background color of an element to RYB 199, 232, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 234, 201) }
```

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

```
.background{ background-color: rgb(199,  
234, 201) }
```

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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