

Converting Colors

`RYB(169, 236, 201)`

Have a look what the booklet for
RYB(169, 236, 201) contains.

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Color

R_YB(169, 236, 201)

Conversions

Conversions Part 1

Format	Color
Hex	CCECA9
RGB	204, 236, 169
RGB Percent	80%, 93%, 66%
CMY	0.2000, 0.0745, 0.3373
CMYK	0.14, 0.00, 0.28, 0.07
HSL	89°, 64%, 79%
HSV	89°, 28%, 93%
XYZ	62.0587, 75.6928, 48.8755
YIQ	218.7940, 2.4350, -27.6210

Conversions

Conversions Part 2

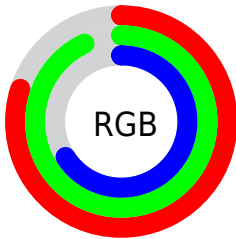
Format	Color
RYB	169, 236, 201
Decimal	13429929
CIELab	89.72, -21.91, 29.14
CIElCh	90, 36.452, 126.939
Yxy	75.6928, 0.3325, 0.4056
Android (android.graphics.Color)	4291620009 (0xFFCCECA9)
YUV	218.7940, -24.5484, -12.9743
Hunter-Lab	87.0016, -24.9279, 27.5934

Details

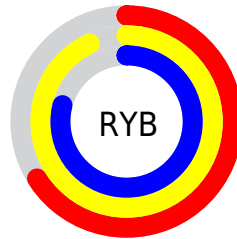
The RYB color **169, 236, 201** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **201, 169, 236**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is **225, 255, 225**, and **116, 180, 147** is the 20% darker color. If you saturate the color by 10%, you get **145, 236, 188**, and if you desaturate by 10%, it is **193, 236, 214**.

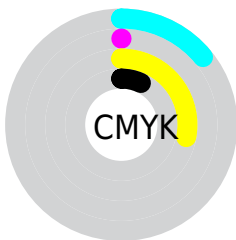
Distribution



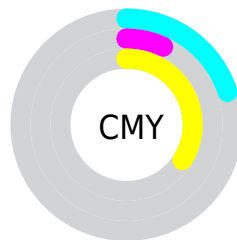
- Red (80%)
- Green (93%)
- Blue (66%)



- Red (66%)
- Yellow (93%)
- Blue (79%)



- Cyan (14%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 169, 236, 201 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 169, 236, 201 by changing the saturation by 10% instead.

 169, 236, 201

255, 255, 255


 225, 255, 225


253, 255, 253


 169, 236, 201


 142, 208, 174

 116, 180, 147

 91, 153, 121

 67, 127, 97

 44, 102, 74

 21, 78, 51

 0, 55, 29

 0, 34, 34

 0, 0, 0

 169, 236, 201

 169, 236, 201

 145, 236, 188

 193, 236, 214

 122, 236, 177

 216, 236, 225

 98, 236, 164

 238, 236, 240

 75, 236, 152

 249, 236, 255

 51, 236, 139

 255, 236, 255

 27, 236, 127

 4, 236, 115

 0, 236, 113

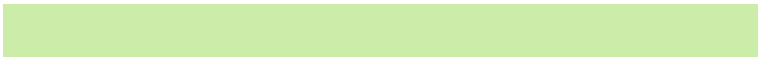
Harmonies

Analogous

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



176, 242, 156



169, 236, 201



163, 219, 243

Triad

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



169, 236, 201



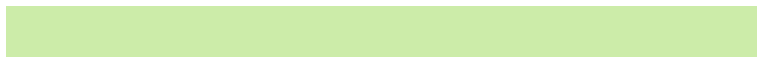
143, 194, 255



255, 200, 219

Complementary

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



169, 236, 201



201, 169, 236

Split Complementary

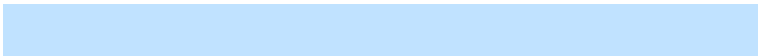
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 203, 254



169, 236, 201



192, 214, 255

Square

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



169, 236, 201



115, 182, 255



241, 214, 255



255, 211, 185

Rectangle

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



169, 236, 201



138, 198, 245



241, 214, 255



255, 200, 231

Sweetspot

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



169, 236, 201



232, 255, 243



236, 227, 169



113, 128, 120



0, 0, 0



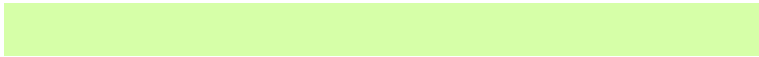
128, 128, 128

Same Dimension

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



169, 236, 201



168, 255, 209



169, 236, 234



106, 117, 111



0, 181, 86



0, 54, 26

Inverse Universe

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



201, 169, 236



210, 168, 255



234, 169, 236



111, 106, 117



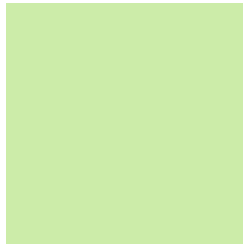
86, 0, 181



26, 0, 54

Previews

White Background



This preview shows how the RYB color 169, 236, 201 looks on a white background.

Color Contrast Check

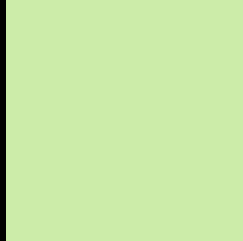
Large Text (above 18pt) WCAG AA × Fail

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 169, 236, 201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

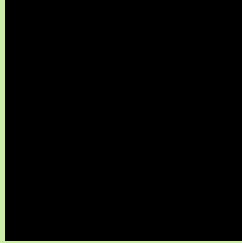
Any Text WCAG AA ✓ Pass

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 169, 236, 201 Background



This preview shows how black text looks on a background with the RYB color 169, 236, 201.

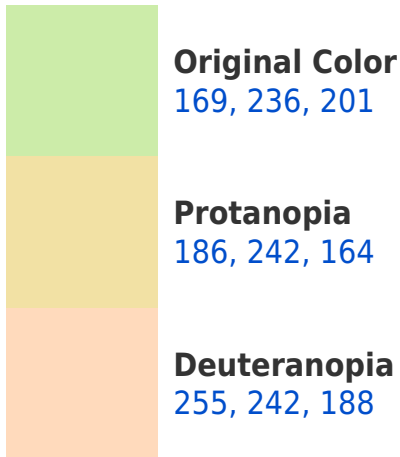


This preview shows how white text looks on a background with the RYB color 169, 236, 201.

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

215, 223, 244

Trichromacy



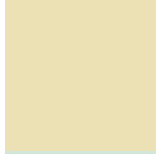
Original Color

169, 236, 201



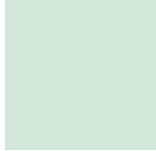
Protanomaly

166, 229, 167



Deuteranomaly

195, 236, 181



Tritanomaly

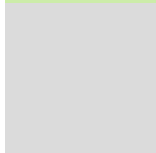
211, 225, 230

Monochromacy



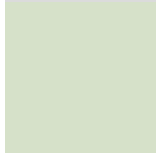
Original Color

169, 236, 201



Achromatopsia

219, 219, 219



Achromatomaly

201, 225, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 169, 236, 201 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, 236, 169)` looks like.

```
.text, #text, p{  
    color:rgb(204, 236, 169)  
}
```

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, 236, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 236, 169) }
```

Border

The CSS property to change the border of an element to RYB 169, 236, 201 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, 236, 169) }
```

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

```
.border{ border-color:rgb(204, 236, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 236, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 236, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 236, 169);  
box-shadow:4px 4px 4px 4px rgb(204, 236,  
169) }
```

Background

The CSS property to change the background color of an element to RYB 169, 236, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 236, 169) }
```

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

```
.background{ background-color: rgb(204,  
236, 169) }
```

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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