

# Converting Colors

`RYB(169, 255, 188)`

Have a look what the booklet for  
RYB(169, 255, 188) contains.

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# Color

**R<sub>Y</sub>B(169, 255, 188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECFFA9
RGB	236, 255, 169
RGB Percent	93%, 100%, 66%
CMY	0.0745, 0.0000, 0.3373
CMYK	0.07, 0.00, 0.34, 0.00
HSL	73°, 100%, 83%
HSV	73°, 34%, 100%
XYZ	77.5135, 92.2174, 51.2505
YIQ	239.5150, 16.2820, -30.7740

# Conversions

## Conversions Part 2

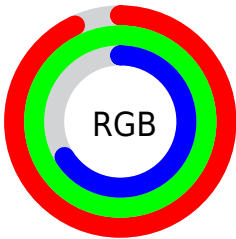
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 255, 188
Decimal	15531945
CIELab	96.91, -19.53, 39.09
CIELCh	97, 43.704, 116.550
Yxy	92.2174, 0.3508, 0.4173
Android (android.graphics.Color)	4293722025 (0xFFE0FFA9)
YUV	239.5150, -34.7639, -3.0827
Hunter-Lab	96.0299, -23.9706, 35.5783

# Details

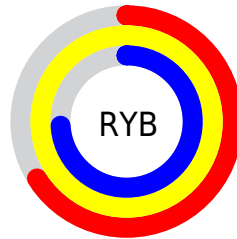
The RYB color **169, 255, 188** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **188, 169, 255**, and the grayscale version is **240, 240, 240**.

A 20% lighter version of the original color is **225, 255, 225**, and **116, 198, 135** is the 20% darker color. If you saturate the color by 10%, you get **144, 255, 169**, and if you desaturate by 10%, it is **195, 255, 208**.

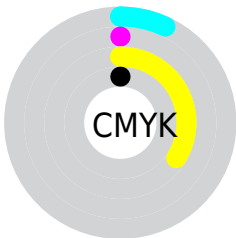
# Distribution



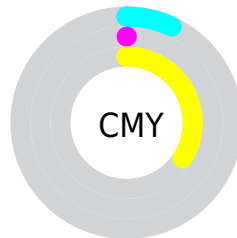
- Red (93%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (74%)



- Cyan (7%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 169, 255, 188 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, 255, 188 by changing the saturation by 10% instead.



 169, 255, 188

255, 255, 255


 225, 255, 225

254, 255, 254


 169, 255, 188

 142, 226, 161

 116, 198, 135

 90, 171, 109

 65, 144, 84

 41, 119, 61

 15, 94, 35

 0, 70, 21

 0, 48, 23

 0, 28, 28

■ 169, 255, 188

■ 169, 255, 188

■ 144, 255, 169

■ 195, 255, 208

■ 118, 255, 148

■ 220, 255, 228

■ 93, 255, 129

■ 246, 255, 248

■ 67, 255, 109

255, 255, 255

■ 42, 255, 89

■ 16, 255, 69

■ 0, 255, 56

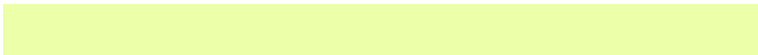
# Harmonies

## Analogous

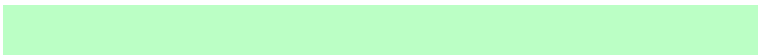
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



176, 255, 161



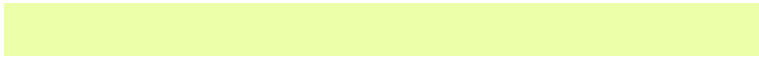
169, 255, 188



187, 246, 255

# Triad

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



169, 255, 188



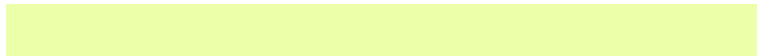
119, 187, 255



255, 214, 253

# Complementary

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



169, 255, 188



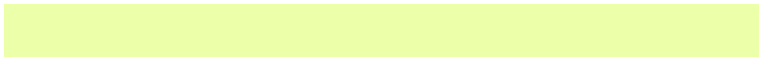
188, 169, 255

# 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, 222, 255



169, 255, 188



180, 217, 255

# Square

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



169, 255, 188



99, 177, 255



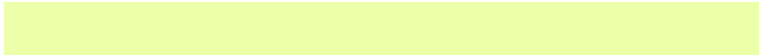
245, 237, 255



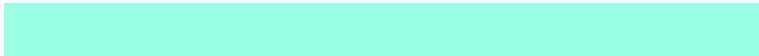
255, 217, 210

# Rectangle

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



169, 255, 188



152, 212, 255



245, 237, 255



255, 216, 255



# Sweetspot

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



169, 255, 188



230, 255, 236



255, 193, 169



112, 128, 116



0, 0, 0

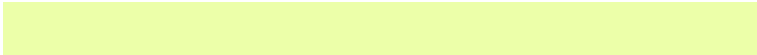


128, 128, 128



# Same Dimension

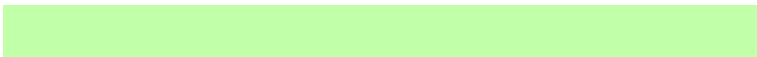
The Same Dimension uses a secret algorithm to generate beautiful new colors.



169, 255, 188



153, 255, 176



169, 255, 231



115, 128, 118



0, 191, 42



0, 64, 14



# Inverse Universe

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



188, 169, 255



176, 153, 255



231, 169, 255



118, 115, 128



42, 0, 191

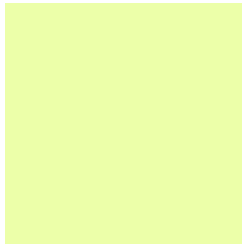


14, 0, 64



# Previews

## White Background



This preview shows how the RYB color 169, 255, 188 looks on a white background.

## Color Contrast Check

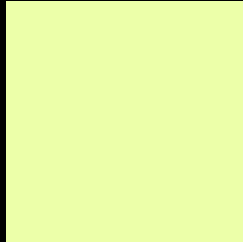
Large Text (above 18pt) WCAG AA × Fail

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, 255, 188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

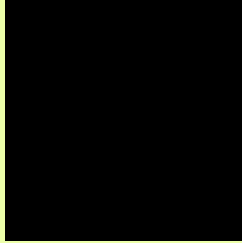
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

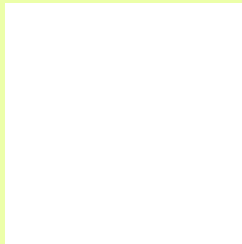
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 169, 255, 188 Background



This preview shows how black text looks on a background with the RYB color 169, 255, 188.

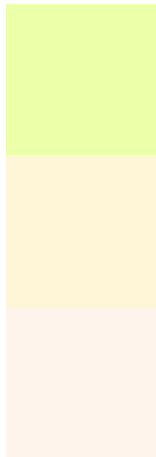


This preview shows how white text looks on a background with the RYB color 169, 255, 188.

# 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**  
169, 255, 188

**Protanopia**  
227, 255, 215

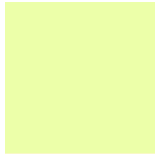
**Deuteranopia**  
255, 251, 235



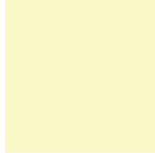
# Tritanopia

247, 245, 255

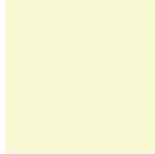
# Trichromacy



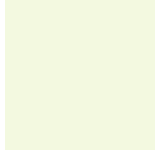
**Original Color**  
169, 255, 188



**Protanomaly**  
198, 249, 199

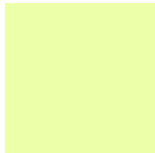


**Deuteranomaly**  
211, 248, 211

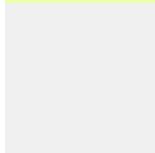


**Tritanomaly**  
224, 249, 230

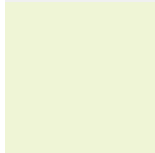
# Monochromacy



**Original Color**  
169, 255, 188



**Achromatopsia**  
240, 240, 240



**Achromatomaly**  
214, 245, 220

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 169, 255, 188 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(236, 255, 169)` looks like.

```
.text, #text, p{  
  color:rgb(236, 255, 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(236, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 169) }
```

## Border

The CSS property to change the border of an element to RYB 169, 255, 188 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(236, 255, 169) }
```

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

```
.border{ border-color:rgb(236, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
169) }
```

# Background

The CSS property to change the background color of an element to RYB 169, 255, 188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 169) }
```

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

```
.background{ background-color: rgb(236,  
255, 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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