

# Converting Colors

`RYB(165, 228, 186)`

Have a look what the booklet for  
RYB(165, 228, 186) contains.

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# Color

**R<sub>Y</sub>B(165, 228, 186)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFE4A5
RGB	207, 228, 165
RGB Percent	81%, 89%, 65%
CMY	0.1882, 0.1059, 0.3529
CMYK	0.09, 0.00, 0.28, 0.11
HSL	80°, 54%, 77%
HSV	80°, 28%, 89%
XYZ	60.2671, 71.4688, 46.2158
YIQ	214.5390, 7.7070, -24.0450

# Conversions

## Conversions Part 2

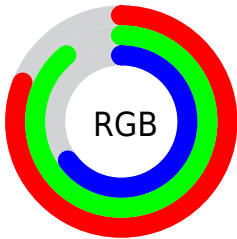
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 228, 186
Decimal	13624485
CIELab	87.71, -17.48, 28.51
CIElCh	88, 33.443, 121.517
Yxy	71.4688, 0.3387, 0.4016
Android (android.graphics.Color)	4291814565 (0xFFCFE4A5)
YUV	214.5390, -24.4227, -6.6117
Hunter-Lab	84.5392, -20.6930, 26.7649

# Details

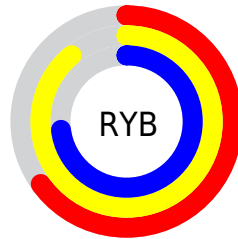
The RYB color **165, 228, 186** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **186, 165, 228**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **220, 255, 220**, and **113, 173, 134** is the 20% darker color. If you saturate the color by 10%, you get **142, 228, 171**, and if you desaturate by 10%, it is **188, 228, 201**.

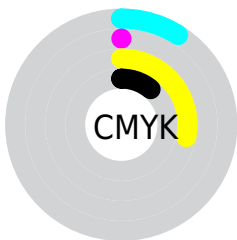
# Distribution



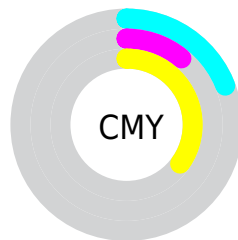
- Red (81%)
- Green (89%)
- Blue (65%)



- Red (65%)
- Yellow (89%)
- Blue (73%)



- Cyan (9%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)



- Cyan (19%)
- Magenta (11%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 165, 228, 186 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 165, 228, 186 by changing the saturation by 10% instead.



 165, 228, 186

255, 255, 255

 220, 255, 220


 249, 255, 249


 165, 228, 186

 138, 200, 159

 113, 173, 134

 88, 146, 108

 64, 120, 84

 41, 95, 61

 18, 72, 38

 0, 49, 19

 0, 29, 29

 0, 0, 0

 165, 228, 186

 165, 228, 186

 142, 228, 171

 188, 228, 201

 119, 228, 155

 211, 228, 217

 97, 228, 141

 230, 228, 233

 74, 228, 125

 237, 228, 255

 51, 228, 110

 245, 228, 255

 28, 228, 95

 253, 228, 255

 5, 228, 79

 255, 228, 255

 0, 228, 76

# Harmonies

## Analogous

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



188, 241, 156



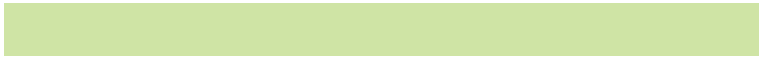
165, 228, 186



170, 220, 235

# Triad

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



165, 228, 186



140, 191, 255



255, 197, 219

# Complementary

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



165, 228, 186



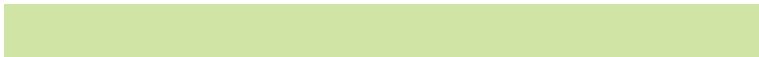
186, 165, 228

# Split Complementary

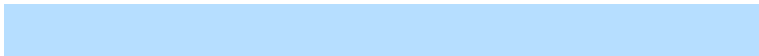
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 201, 251



165, 228, 186



182, 208, 255

# Square

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



165, 228, 186



122, 183, 252



227, 211, 255



255, 201, 188

# Rectangle

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



165, 228, 186



147, 200, 237



227, 211, 255



255, 197, 230



# Sweetspot

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



165, 228, 186



235, 255, 242



228, 197, 165



115, 128, 120



0, 0, 0



128, 128, 128

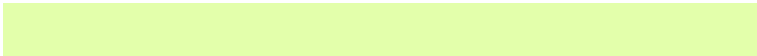


# Same Dimension

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



165, 228, 186



171, 255, 199



165, 228, 217



103, 115, 107



0, 179, 60



0, 51, 17



# Inverse Universe

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



186, 165, 228



199, 171, 255



218, 165, 228



107, 103, 115



59, 0, 179

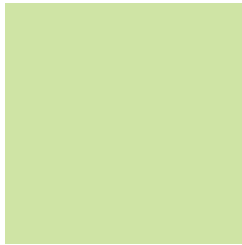


17, 0, 51



# Previews

## White Background



This preview shows how the RYB color 165, 228, 186 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 165, 228, 186 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

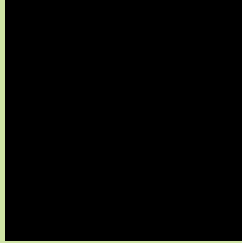
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

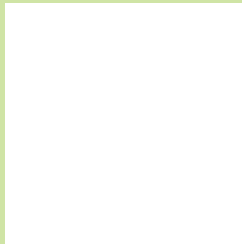
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 165, 228, 186 Background



This preview shows how black text looks on a background with the RYB color 165, 228, 186.

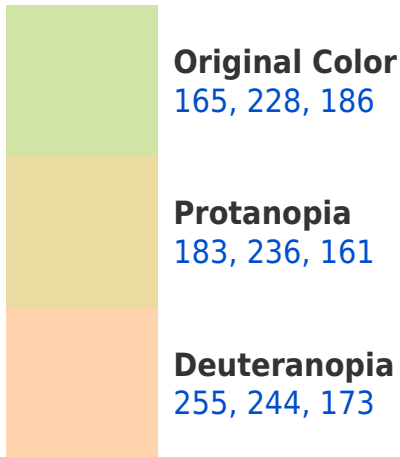


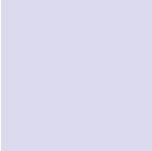
This preview shows how white text looks on a background with the RYB color 165, 228, 186.

# 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](#).

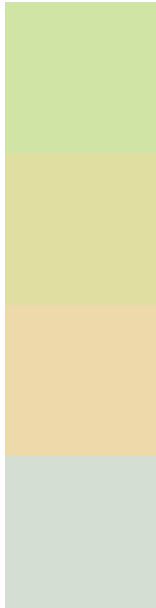
## Dichromacy





**Tritanopia**  
217, 219, 236

# Trichromacy



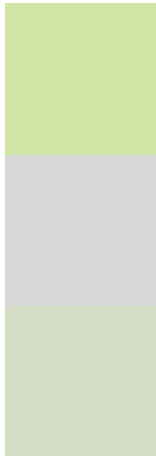
**Original Color**  
165, 228, 186

**Protanomaly**  
165, 225, 162

**Deuteranomaly**  
200, 238, 170

**Tritanomaly**  
210, 222, 219

# Monochromacy



**Original Color**  
165, 228, 186

**Achromatopsia**  
215, 215, 215

**Achromatomaly**  
197, 220, 205

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 165, 228, 186 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(207, 228, 165)` looks like.

```
.text, #text, p{  
    color:rgb(207, 228, 165)  
}
```

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(207, 228, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 228, 165) }
```

## Border

The CSS property to change the border of an element to RYB 165, 228, 186 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(207, 228, 165) }
```

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

```
.border{ border-color:rgb(207, 228, 165) }
```

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

Here you see how a box with a 4 pixel rgb(207, 228, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 228, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 228, 165);  
box-shadow:4px 4px 4px 4px rgb(207, 228,  
165) }
```

# Background

The CSS property to change the background color of an element to RYB 165, 228, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 228, 165) }
```

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

```
.background{ background-color: rgb(207,  
228, 165) }
```

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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