

# Converting Colors

`RYB(186, 240, 197)`

Have a look what the booklet for  
RYB(186, 240, 197) contains.

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# Color

**R<sub>Y</sub>B(186, 240, 197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5F0BA
RGB	229, 240, 186
RGB Percent	90%, 94%, 73%
CMY	0.1020, 0.0588, 0.2706
CMYK	0.05, 0.00, 0.23, 0.06
HSL	72°, 64%, 84%
HSV	72°, 23%, 94%
XYZ	72.3361, 82.5234, 58.5705
YIQ	230.5550, 10.7780, -19.1260

# Conversions

## Conversions Part 2

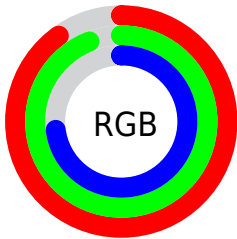
Format	Color
<a href="#">RYB</a>	<a href="#">186, 240, 197</a>
Decimal	<a href="#">15069370</a>
CIELab	<a href="#">92.81, -12.49, 24.94</a>
CIELCh	<a href="#">93, 27.891, 116.597</a>
Yxy	<a href="#">82.5234, 0.3389, 0.3867</a>
Android (android.graphics.Color)	<a href="#">4293259450 (0xFFE5F0BA)</a>
YUV	<a href="#">230.5550, -21.9656, -1.3637</a>
Hunter-Lab	<a href="#">90.8424, -16.8379, 25.3625</a>

# Details

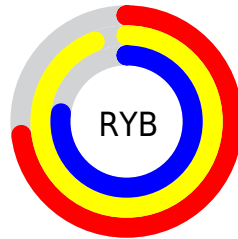
The RYB color **186, 240, 197** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **197, 186, 240**, and the grayscale version is **231, 231, 231**.

A 20% lighter version of the original color is **242, 255, 242**, and **133, 184, 144** is the 20% darker color. If you saturate the color by 10%, you get **162, 240, 178**, and if you desaturate by 10%, it is **210, 240, 216**.

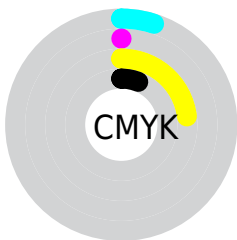
# Distribution



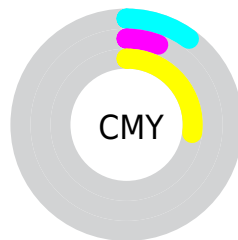
- Red (90%)
- Green (94%)
- Blue (73%)



- Red (73%)
- Yellow (94%)
- Blue (77%)



- Cyan (5%)
- Magenta (0%)
- Yellow (23%)
- Black (6%)



- Cyan (10%)
- Magenta (6%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 186, 240, 197 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 186, 240, 197 by changing the saturation by 10% instead.



 186, 240, 197

255, 255, 255

 242, 255, 242

 186, 240, 197

 159, 212, 170

 133, 184, 144

 107, 157, 118


 83, 131, 94

 59, 106, 70

 36, 82, 47

 14, 59, 26

 0, 37, 10

 0, 18, 18

 186, 240, 197

 186, 240, 197

 162, 240, 178

 210, 240, 216

 138, 240, 159

 234, 240, 235

 114, 240, 140

 244, 240, 255

 90, 240, 121

 249, 240, 255

 66, 240, 101

 253, 240, 255

 42, 240, 82

 255, 240, 255

 18, 240, 63

 0, 240, 49

# Harmonies

## Analogous

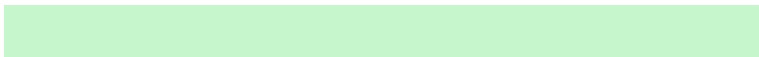
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



217, 255, 181



186, 240, 197



198, 241, 246

# Triad

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



186, 240, 197



169, 209, 255



255, 215, 238

# Complementary

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



186, 240, 197



197, 186, 240

# Split Complementary

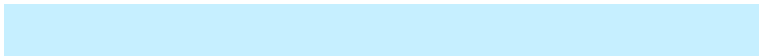
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 220, 255



186, 240, 197



198, 222, 255

# Square

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



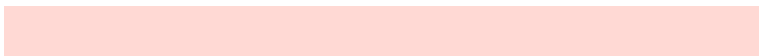
186, 240, 197



159, 205, 255



235, 229, 255



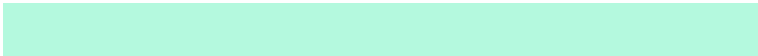
255, 218, 212

# Rectangle

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



186, 240, 197



180, 223, 249



235, 229, 255



255, 216, 248



# Sweetspot

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



186, 240, 197



237, 255, 241



240, 200, 186



117, 128, 120



0, 0, 0



128, 128, 128

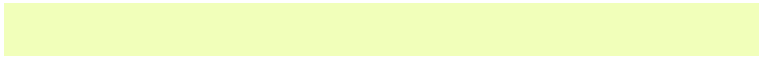


# Same Dimension

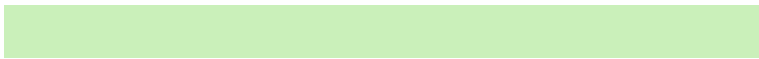
The Same Dimension uses a secret algorithm to generate beautiful new colors.



186, 240, 197



186, 255, 200



186, 240, 224



108, 120, 111



0, 184, 38



0, 56, 11



# Inverse Universe

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



197, 186, 240



200, 186, 255



224, 186, 240



110, 108, 120



37, 0, 184

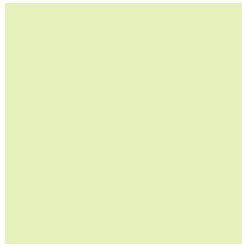


11, 0, 56



# Previews

## White Background



This preview shows how the RYB color 186, 240, 197 looks on a white background.

## Color Contrast Check

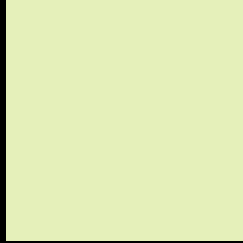
Large Text (above 18pt) WCAG AA × Fail

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 186, 240, 197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

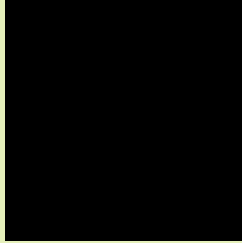
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

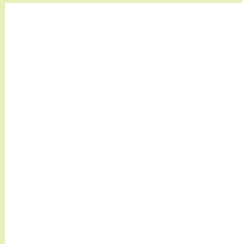
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 186, 240, 197 Background**



This preview shows how black text looks on a background with the RYB color 186, 240, 197.

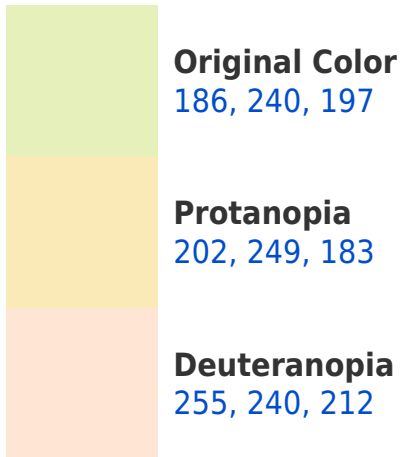


This preview shows how white text looks on a background with the RYB color 186, 240, 197.

# 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

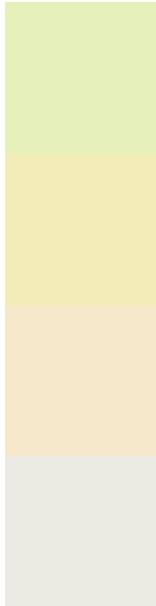




# Tritanopia

238, 231, 250

# Trichromacy



**Original Color**

186, 240, 197

**Protanomaly**

191, 242, 184

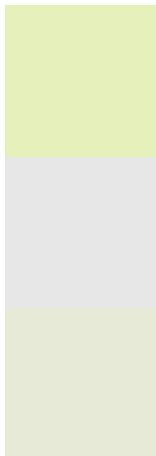
**Deuteranomaly**

222, 246, 203

**Tritanomaly**

228, 235, 227

# Monochromacy



**Original Color**

186, 240, 197

**Achromatopsia**

231, 231, 231

**Achromatomaly**

215, 234, 219

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 186, 240, 197 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(229, 240, 186)` looks like.

```
.text, #text, p{  
    color:rgb(229, 240, 186)  
}
```

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(229, 240, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 240, 186) }
```

## Border

The CSS property to change the border of an element to RYB 186, 240, 197 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(229, 240, 186) }
```

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

```
.border{ border-color:rgb(229, 240, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 240, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 240, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 240, 186);  
box-shadow:4px 4px 4px 4px rgb(229, 240,  
186) }
```

# Background

The CSS property to change the background color of an element to RYB 186, 240, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 240, 186) }
```

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

```
.background{ background-color: rgb(229,  
240, 186) }
```

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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