

# Converting Colors

`RYB(186, 245, 225)`

Have a look what the booklet for  
RYB(186, 245, 225) contains.

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# **Color**

**R<sub>Y</sub>B(186, 245, 225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEF5BA
RGB	206, 245, 186
RGB Percent	81%, 96%, 73%
CMY	0.1922, 0.0392, 0.2706
CMYK	0.16, 0.00, 0.24, 0.04
HSL	100°, 75%, 85%
HSV	100°, 24%, 96%
XYZ	66.9689, 81.9718, 58.7469
YIQ	226.6130, -4.3050, -26.6170

# Conversions

## Conversions Part 2

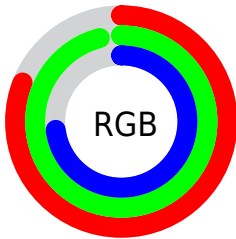
Format	Color
<a href="#">RYB</a>	186, 245, 225
Decimal	13563322
CIELab	92.56, -23.02, 24.36
CIELCh	93, 33.516, 133.385
Yxy	81.9718, 0.3225, 0.3947
Android (android.graphics.Color)	4291753402 (0xFFCEF5BA)
YUV	226.6130, -20.0222, -18.0776
Hunter-Lab	90.5383, -26.4099, 24.9057

# Details

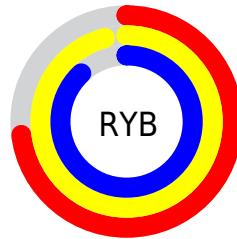
The RYB color **186, 245, 225** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **225, 186, 245**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **242, 255, 242**, and **133, 189, 171** is the 20% darker color. If you saturate the color by 10%, you get **162, 245, 217**, and if you desaturate by 10%, it is **211, 245, 234**.

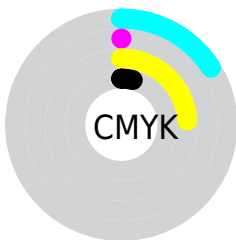
# Distribution



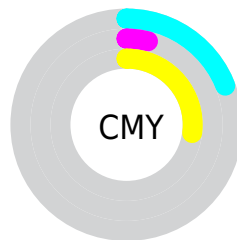
- Red (81%)
- Green (96%)
- Blue (73%)



- Red (73%)
- Yellow (96%)
- Blue (88%)



- Cyan (16%)
- Magenta (0%)
- Yellow (24%)
- Black (4%)



- Cyan (19%)
- Magenta (4%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 186, 245, 225 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, 245, 225 by changing the saturation by 10% instead.



 186, 245, 225

255, 255, 255


 242, 255, 242

 186, 245, 225

 159, 216, 197

 133, 189, 171

 107, 162, 144

 82, 135, 118

 59, 110, 95

 36, 85, 71

 14, 62, 49


 0, 39, 33

 0, 16, 16

 186, 245, 225

 186, 245, 225

 162, 245, 217

 211, 245, 234

 137, 245, 208

 235, 245, 242

 113, 245, 201

 255, 245, 255

 88, 245, 192

 63, 245, 183

 39, 245, 175

 14, 245, 166

 0, 245, 162

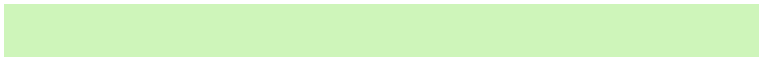
# Harmonies

## Analogous

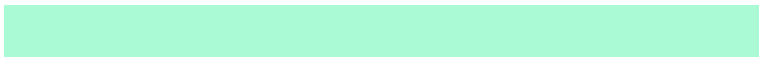
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



178, 242, 171



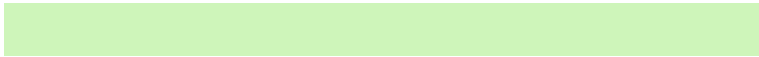
186, 245, 225



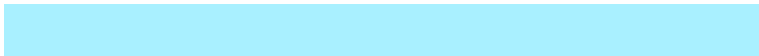
170, 222, 250

# Triad

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



186, 245, 225



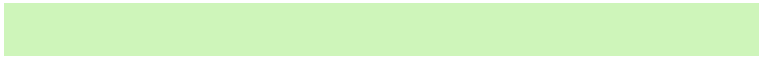
169, 208, 255



255, 210, 220

# Complementary

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



186, 245, 225



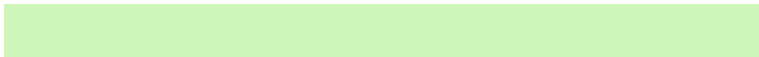
225, 186, 245

# Split Complementary

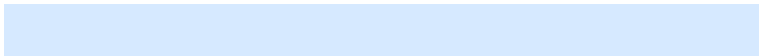
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 212, 253



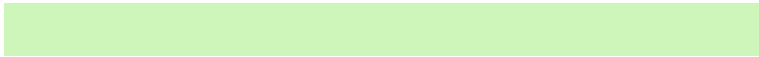
186, 245, 225



214, 227, 255

# Square

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



186, 245, 225



140, 196, 255



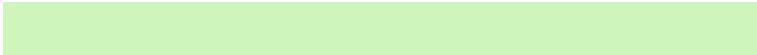
255, 220, 255



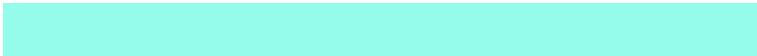
255, 232, 191

# Rectangle

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



186, 245, 225



149, 205, 252



255, 220, 255

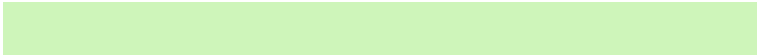


255, 210, 231



# Sweetspot

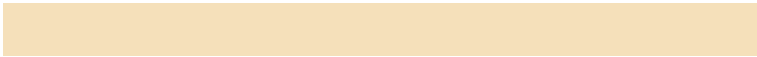
The Sweet Spot groups the original color and five complimentary colors.



186, 245, 225



237, 255, 249



219, 245, 186



117, 128, 124



0, 0, 0

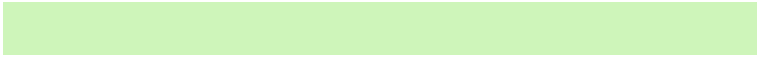


128, 128, 128

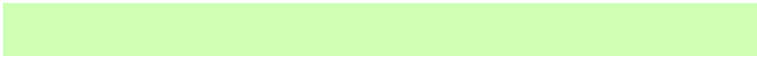


# Same Dimension

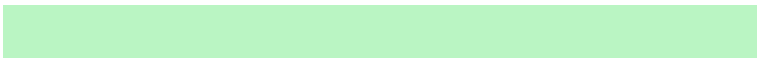
The Same Dimension uses a secret algorithm to generate beautiful new colors.



186, 245, 225



181, 255, 230



186, 237, 245



110, 122, 118



0, 186, 123



0, 59, 39



# Inverse Universe

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



225, 186, 245



230, 181, 255



245, 186, 236



118, 110, 122



123, 0, 186



39, 0, 59



# Previews

## White Background



This preview shows how the RYB color 186, 245, 225 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, 245, 225 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

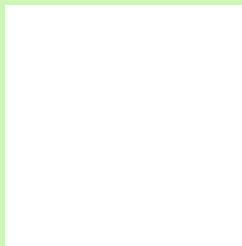
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 186, 245, 225 Background**



This preview shows how black text looks on a background with the RYB color 186, 245, 225.

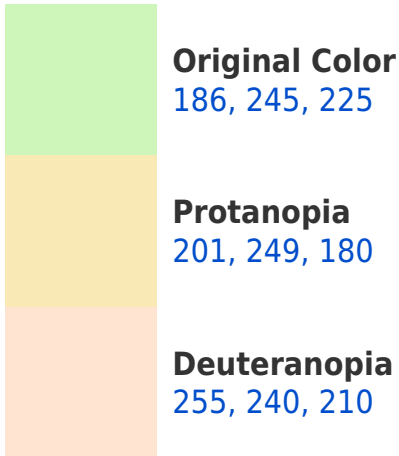


This preview shows how white text looks on a background with the RYB color 186, 245, 225.

# 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





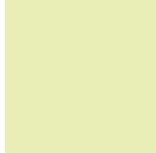
**Tritanopia**  
217, 230, 255

# Trichromacy



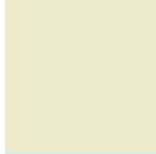
**Original Color**

186, 245, 225



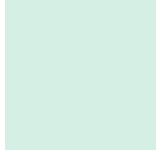
**Protanomaly**

182, 237, 186



**Deuteranomaly**

204, 237, 201



**Tritanomaly**

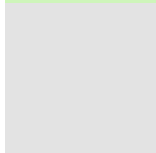
213, 229, 239

# Monochromacy



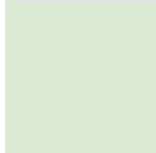
**Original Color**

186, 245, 225



**Achromatopsia**

227, 227, 227



**Achromatomaly**

212, 234, 227

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 186, 245, 225 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(206, 245, 186)` looks like.

```
.text, #text, p{  
    color:rgb(206, 245, 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(206, 245, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 245, 186) }
```

## Border

The CSS property to change the border of an element to RYB 186, 245, 225 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(206, 245, 186) }
```

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

```
.border{ border-color:rgb(206, 245, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 245, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 245, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 245, 186); box-shadow:4px 4px 4px 4px rgb(206, 245, 186) }
```

# Background

The CSS property to change the background color of an element to RYB 186, 245, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 245, 186) }
```

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

```
.background{ background-color: rgb(206,  
245, 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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