

# Converting Colors

`RYB(226, 245, 227)`

Have a look what the booklet for  
RYB(226, 245, 227) contains.

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# **Color**

**R<sub>Y</sub>B(226, 245, 227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4F5E2
RGB	244, 245, 226
RGB Percent	96%, 96%, 89%
CMY	0.0431, 0.0392, 0.1137
CMYK	0.00, 0.00, 0.08, 0.04
HSL	63°, 49%, 92%
HSV	63°, 8%, 96%
XYZ	83.6881, 90.0289, 84.9180
YIQ	242.5350, 5.5030, -6.1210

# Conversions

## Conversions Part 2

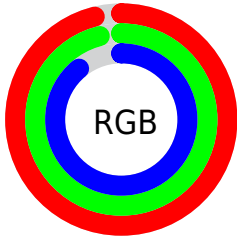
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 245, 227
Decimal	16053730
CIE <sub>Lab</sub>	96.01, -3.57, 9.02
CIE <sub>LCh</sub>	96, 9.702, 111.560
Yxy	90.0289, 0.3236, 0.3481
Android (android.graphics.Color)	4294243810 (0xFFFF4F5E2)
YUV	242.5350, -8.1518, 1.2848
Hunter-Lab	94.8836, -8.6077, 13.3557

# Details

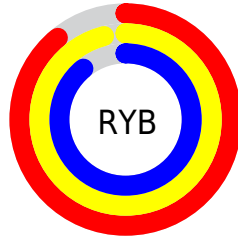
The RYB color **226, 245, 227** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **227, 226, 245**, and the grayscale version is **243, 243, 243**.

A 20% lighter version of the original color is **255, 255, 255**, and **171, 189, 172** is the 20% darker color. If you saturate the color by 10%, you get **202, 245, 204**, and if you desaturate by 10%, it is **245, 245, 250**.

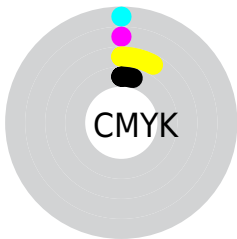
# Distribution



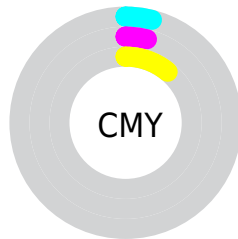
- Red (96%)
- Green (96%)
- Blue (89%)



- Red (89%)
- Yellow (96%)
- Blue (89%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 226, 245, 227 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 226, 245, 227 by changing the saturation by 10% instead.





 226, 245, 227

255, 255, 255

 226, 245, 227

 198, 217, 199

 171, 189, 172

 144, 162, 145

 119, 136, 120

 94, 110, 95

 70, 86, 71

 48, 63, 49

 27, 41, 28

 0, 20, 0

 226, 245, 227

 226, 245, 227

 202, 245, 204

 245, 245, 250

 177, 245, 181

 247, 245, 255

 153, 245, 158

 248, 245, 255

 128, 245, 134

 249, 245, 255

 103, 245, 110

 250, 245, 255

 79, 245, 88

 252, 245, 255

 54, 245, 64

 253, 245, 255

 30, 245, 41

 254, 245, 255

 5, 245, 18

 255, 245, 255

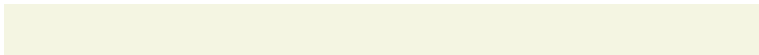
# Harmonies

## Analogous

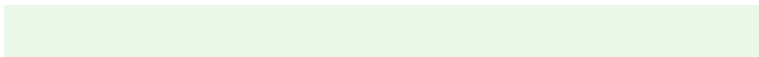
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



245, 254, 225



226, 245, 227



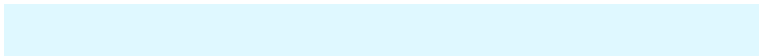
232, 248, 247

# Triad

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



226, 245, 227



223, 237, 255



255, 237, 247

# Complementary

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



226, 245, 227



227, 226, 245

# Split Complementary

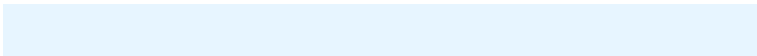
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



253, 239, 255



226, 245, 227



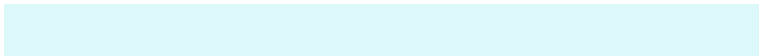
231, 240, 255

# Square

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



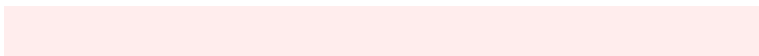
226, 245, 227



221, 235, 250



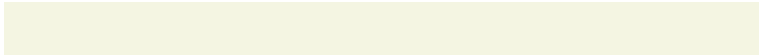
242, 242, 255



255, 237, 237

# Rectangle

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



226, 245, 227



227, 242, 249



242, 242, 255

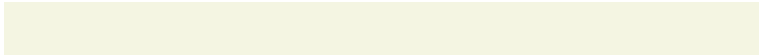


255, 238, 250



# Sweetspot

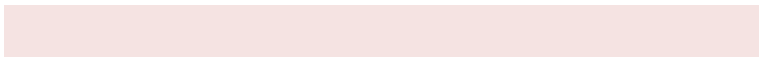
The Sweet Spot groups the original color and five complimentary colors.



226, 245, 227



250, 255, 250



245, 227, 226



125, 128, 126



0, 0, 0



128, 128, 128



# Same Dimension

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



226, 245, 227



232, 255, 233



226, 245, 236



110, 122, 110



0, 186, 10



0, 59, 3



# Inverse Universe

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



227, 226, 245



233, 232, 255



236, 226, 245



111, 110, 122



10, 0, 186

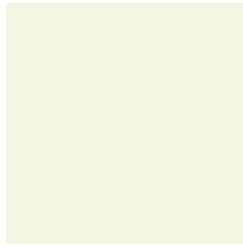


3, 0, 59



# Previews

## White Background



This preview shows how the RYB color 226, 245, 227 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 226, 245, 227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

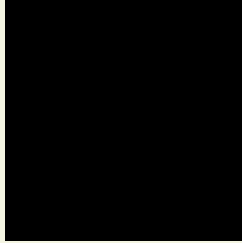
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

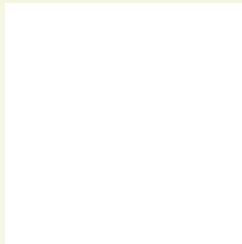
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 226, 245, 227 Background**



This preview shows how black text looks on a background with the RYB color 226, 245, 227.



This preview shows how white text looks on a background with the RYB color 226, 245, 227.

# 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

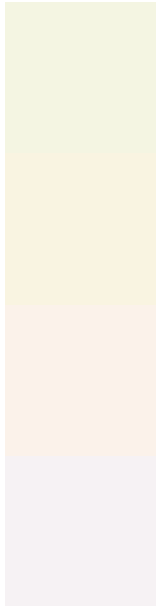
	<b>Original Color</b> 226, 245, 227
	<b>Protanopia</b> 239, 252, 225
	<b>Deuteranopia</b> 255, 240, 238



# Tritanopia

247, 241, 255

# Trichromacy



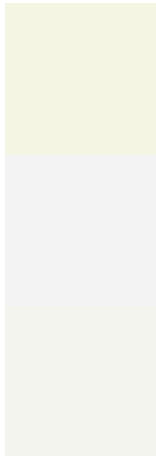
**Original Color**  
226, 245, 227

**Protanomaly**  
231, 249, 225

**Deuteranomaly**  
251, 249, 234

**Tritanomaly**  
246, 242, 244

# Monochromacy



**Original Color**  
226, 245, 227

**Achromatopsia**  
243, 243, 243

**Achromatomaly**  
237, 244, 238

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 226, 245, 227 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(244, 245, 226) looks like.

```
.text, #text, p{  
    color:rgb(244, 245, 226)  
}
```

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(244, 245, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 245, 226) }
```

## Border

The CSS property to change the border of an element to RYB 226, 245, 227 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(244, 245, 226) }
```

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

```
.border{ border-color:rgb(244, 245, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 245, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(244, 245, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(244, 245, 226); box-shadow:4px 4px 4px 4px rgb(244, 245, 226) }
```

# Background

The CSS property to change the background color of an element to RGB 226, 245, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 245, 226) }
```

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

```
.background{ background-color: rgb(244,  
245, 226) }
```

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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