

# Converting Colors

`RYB(232, 252, 233)`

Have a look what the booklet for  
RYB(232, 252, 233) contains.

<b>RYB(232, 252, 233)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(232, 252, 233)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFCE8
RGB	251, 252, 232
RGB Percent	98%, 99%, 91%
CMY	0.0157, 0.0118, 0.0902
CMYK	0.00, 0.00, 0.08, 0.01
HSL	63°, 77%, 95%
HSV	63°, 8%, 99%
XYZ	89.1596, 95.9562, 90.1661
YIQ	249.4210, 5.8240, -6.4320

# Conversions

## Conversions Part 2

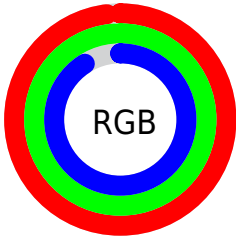
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 252, 233
Decimal	16514280
CIE <sub>Lab</sub>	98.41, -3.71, 9.45
CIE <sub>LCh</sub>	98, 10.157, 111.436
Yxy	95.9562, 0.3239, 0.3486
Android (android.graphics.Color)	4294704360 (0xFFFFBFCE8)
YUV	249.4210, -8.5886, 1.3848
Hunter-Lab	97.9573, -8.9566, 13.9958

# Details

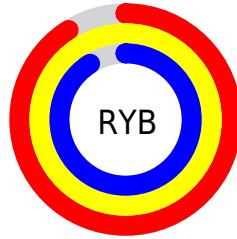
The RYB color **232, 252, 233** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **233, 232, 252**, and the grayscale version is **249, 249, 249**.

A 20% lighter version of the original color is **255, 255, 255**, and **176, 195, 177** is the 20% darker color. If you saturate the color by 10%, you get **207, 252, 209**, and if you desaturate by 10%, it is **252, 252, 255**.

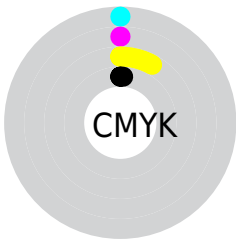
# Distribution



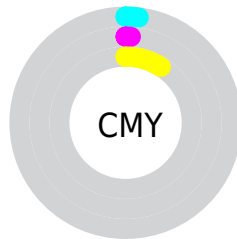
- Red (98%)
- Green (99%)
- Blue (91%)



- Red (91%)
- Yellow (99%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (1%)



- Cyan (2%)
- Magenta (1%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 232, 252, 233 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 232, 252, 233 by changing the saturation by 10% instead.




 232, 252, 233

255, 255, 255


 232, 252, 233

 204, 223, 205

 176, 195, 177


 150, 168, 151

 124, 142, 125

 99, 116, 100

 75, 92, 76

 52, 68, 53

 31, 46, 32

 7, 25, 7

 232, 252, 233

 232, 252, 233

 207, 252, 209

 252, 252, 255

 182, 252, 186

 254, 252, 255

 156, 252, 161

 255, 252, 255

 131, 252, 137

 106, 252, 113

 81, 252, 90

 56, 252, 66

 30, 252, 41

 5, 252, 17

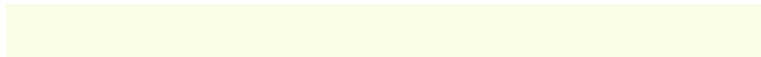
# Harmonies

## Analogous

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



239, 255, 231



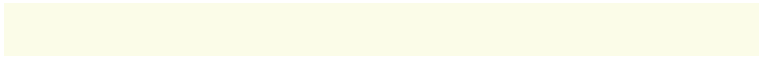
232, 252, 233



238, 255, 253

# Triad

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



232, 252, 233



229, 242, 255



255, 244, 254

# Complementary

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



232, 252, 233



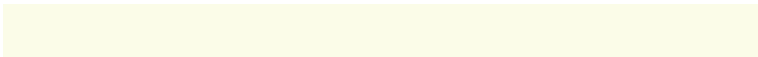
233, 232, 252

# Split Complementary

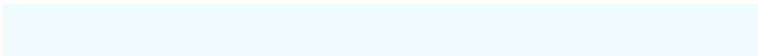
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 246, 255



232, 252, 233



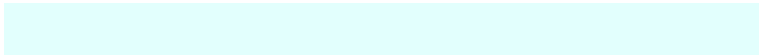
237, 245, 255

# Square

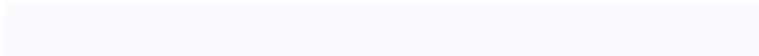
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



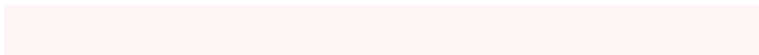
232, 252, 233



226, 241, 255



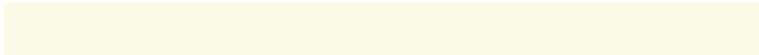
249, 249, 255



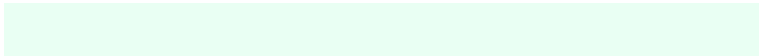
255, 244, 244

# Rectangle

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



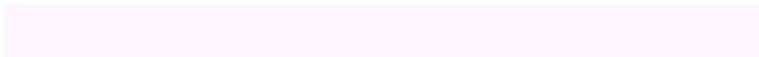
232, 252, 233



233, 248, 255



249, 249, 255

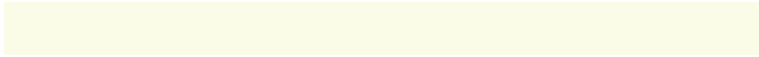


255, 245, 255



# Sweetspot

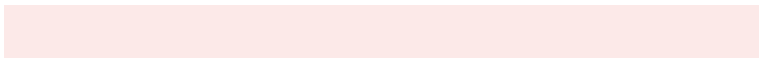
The Sweet Spot groups the original color and five complimentary colors.



232, 252, 233



250, 255, 250



252, 233, 232



125, 128, 126



0, 0, 0



128, 128, 128



# Same Dimension

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



232, 252, 233



230, 255, 231



232, 252, 243



112, 125, 113



0, 189, 10



0, 61, 3



# Inverse Universe

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



233, 232, 252



231, 230, 255



243, 232, 252



113, 112, 125



9, 0, 189

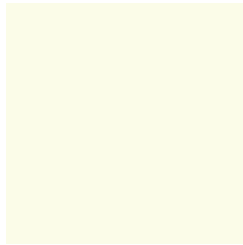


3, 0, 61



# Previews

## White Background



This preview shows how the RYB color 232, 252, 233 looks on a white background.

## Color Contrast Check

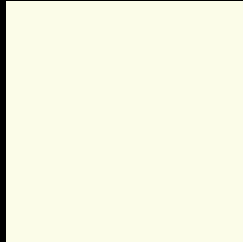
Large Text (above 18pt) WCAG AA × Fail

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 232, 252, 233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

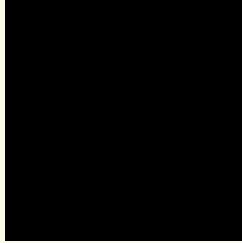
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 232, 252, 233 Background**



This preview shows how black text looks on a background with the RYB color 232, 252, 233.

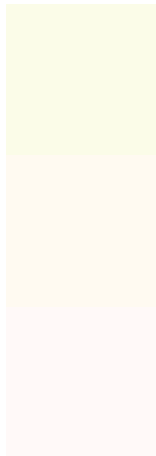


This preview shows how white text looks on a background with the RYB color 232, 252, 233.

# 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**  
232, 252, 233

**Protanopia**  
249, 255, 241

**Deuteranopia**  
255, 249, 248



# Tritanopia

252, 249, 255

# Trichromacy



## Original Color

232, 252, 233

## Protanomaly

242, 254, 238

## Deuteranomaly

248, 254, 242

## Tritanomaly

250, 252, 247

# Monochromacy



## Original Color

232, 252, 233

## Achromatopsia

249, 249, 249

## Achromatomaly

243, 250, 243

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 232, 252, 233 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(251, 252, 232) looks like.

```
.text, #text, p{  
    color:rgb(251, 252, 232)  
}
```

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(251, 252, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 252, 232) }
```

## Border

The CSS property to change the border of an element to RYB 232, 252, 233 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(251, 252, 232) }
```

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

```
.border{ border-color:rgb(251, 252, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 252, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 252, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 252, 232);  
box-shadow:4px 4px 4px 4px rgb(251, 252,  
232) }
```

# Background

The CSS property to change the background color of an element to RYB 232, 252, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 252, 232) }
```

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

```
.background{ background-color: rgb(251,  
252, 232) }
```

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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