

# Converting Colors

`RYB(248, 226, 232)`

Have a look what the booklet for  
RYB(248, 226, 232) contains.

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# Color

**R<sub>Y</sub>B(248, 226, 232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8E2E8
RGB	248, 226, 232
RGB Percent	97%, 89%, 91%
CMY	0.0275, 0.1137, 0.0902
CMYK	0.00, 0.09, 0.06, 0.03
HSL	344°, 61%, 93%
HSV	344°, 9%, 97%
XYZ	80.4732, 80.1754, 87.5779
YIQ	233.2620, 11.1860, 6.5300

# Conversions

## Conversions Part 2

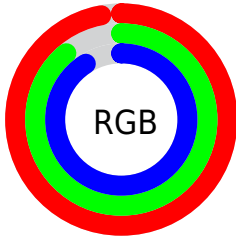
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 226, 232
Decimal	16311016
CIE Lab	91.76, 8.52, -0.20
CIE LCh	92, 8.519, 358.662
Yxy	80.1754, 0.3242, 0.3230
Android (android.graphics.Color)	4294501096 (0xFFFF8E2E8)
YUV	233.2620, -0.6222, 12.9252
Hunter-Lab	89.5407, 3.7277, 4.6882

# Details

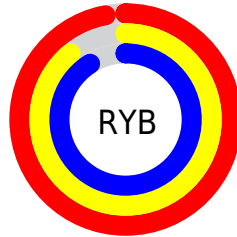
The RYB color **248, 226, 232** is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be **226, 239, 248**, and the grayscale version is **233, 233, 233**.

A 20% lighter version of the original color is 255, 255, 255, and **192, 171, 176** is the 20% darker color. If you saturate the color by 10%, you get **248, 201, 214**, and if you desaturate by 10%, it is 248, 250, 251.

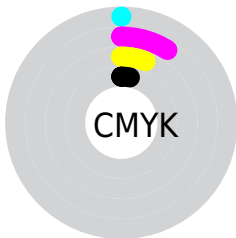
# Distribution



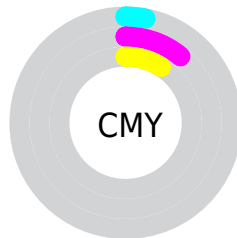
- Red (97%)
- Green (89%)
- Blue (91%)



- Red (97%)
- Yellow (89%)
- Blue (91%)



- Cyan (0%)
- Magenta (9%)
- Yellow (6%)
- Black (3%)



- Cyan (3%)
- Magenta (11%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 248, 226, 232 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 248, 226, 232 by changing the saturation by 10% instead.





 248, 226, 232

255, 255, 255

 248, 226, 232

 219, 198, 204

 192, 171, 176

 164, 144, 150

 138, 119, 124

 112, 94, 99

 88, 70, 75

 64, 48, 53

 42, 27, 32

 23, 0, 7

 248, 226, 232

 248, 226, 232

 248, 201, 214

 248, 250, 251


 248, 176, 196


 248, 252, 255

 248, 152, 178

 248, 127, 160

 248, 102, 142

 248, 77, 124

 248, 52, 106

 248, 28, 88

 248, 3, 70

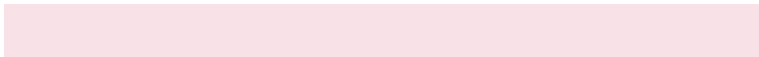
# Harmonies

## Analogous

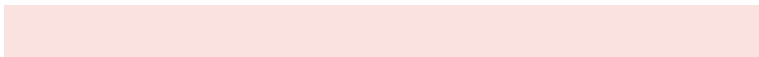
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



242, 227, 240



248, 226, 232



249, 226, 224

# Triad

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



248, 226, 232



217, 233, 220



215, 227, 245

# Complementary

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



248, 226, 232



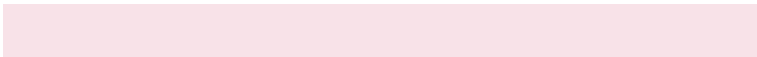
226, 239, 248

# Split Complementary

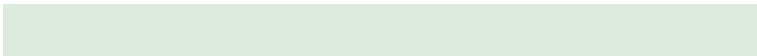
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



212, 225, 239



248, 226, 232



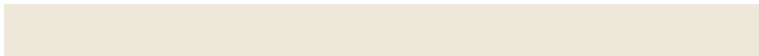
220, 233, 235

# Square

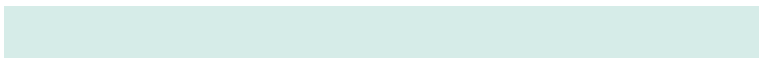
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



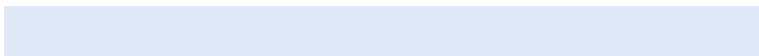
248, 226, 232



227, 239, 215



214, 226, 236



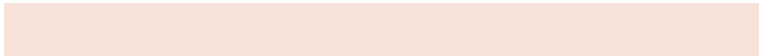
223, 230, 247

# Rectangle

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



248, 226, 232



248, 230, 219



214, 226, 236



213, 226, 243



# Sweetspot

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



248, 226, 232



255, 247, 249



242, 226, 248



128, 122, 124



0, 0, 0



128, 128, 128



# Same Dimension

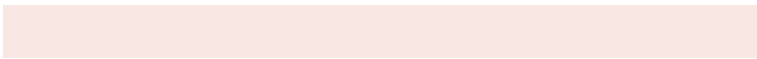
The Same Dimension uses a secret algorithm to generate beautiful new colors.



248, 226, 232



255, 227, 235



248, 232, 226



125, 112, 116



189, 0, 51



61, 0, 17



# Inverse Universe

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



248, 226, 232



255, 227, 235



226, 236, 248



125, 112, 116



189, 0, 51

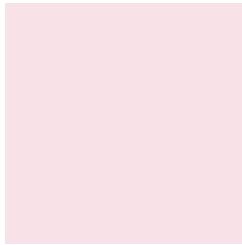


61, 0, 17



# Previews

## White Background



This preview shows how the RYB color 248, 226, 232 looks on a white background.

## Color Contrast Check

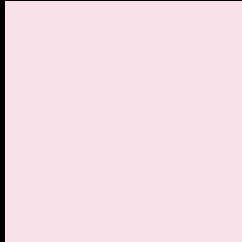
Large Text (above 18pt) WCAG AA × Fail

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 248, 226, 232 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

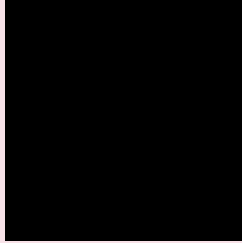
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

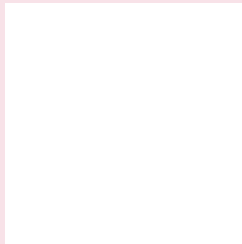
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R Y B 248, 226, 232 Background



This preview shows how black text looks on a background with the R Y B color 248, 226, 232.

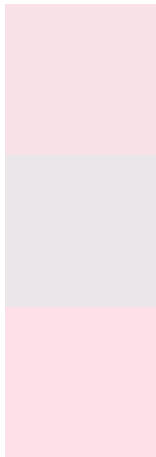


This preview shows how white text looks on a background with the R Y B color 248, 226, 232.

# 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**  
248, 226, 232

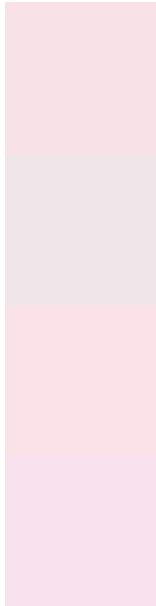
**Protanopia**  
235, 230, 234

**Deuteranopia**  
253, 224, 232



**Tritanopia**  
249, 224, 242

# Trichromacy



## Original Color

248, 226, 232

## Protanomaly

240, 229, 233

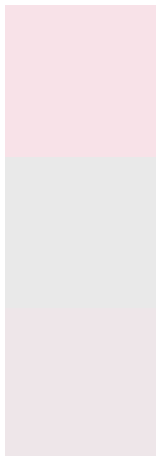
## Deuteranomaly

251, 225, 232

## Tritanomaly

249, 225, 238

# Monochromacy



## Original Color

248, 226, 232

## Achromatopsia

233, 233, 233

## Achromatomaly

238, 230, 233

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 248, 226, 232 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(248, 226, 232) looks like.

```
.text, #text, p{  
    color:rgb(248, 226, 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(248, 226, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 226, 232) }
```

## Border

The CSS property to change the border of an element to RYB 248, 226, 232 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(248, 226, 232) }
```

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

```
.border{ border-color:rgb(248, 226, 232) }
```

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

Here you see how a box with a 4 pixel rgb(248, 226, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 226, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 226, 232);  
box-shadow:4px 4px 4px 4px rgb(248, 226,  
232) }
```

# Background

The CSS property to change the background color of an element to RYB 248, 226, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 226, 232) }
```

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

```
.background{ background-color: rgb(248,  
226, 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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