

# Converting Colors

`RYB(255, 229, 238)`

Have a look what the booklet for RYB(255, 229, 238) contains.

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# Color

**R<sub>Y</sub>B(255, 229, 238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5EE
RGB	255, 229, 238
RGB Percent	100%, 90%, 93%
CMY	0.0000, 0.1020, 0.0667
CMYK	0.00, 0.10, 0.07, 0.00
HSL	339°, 100%, 95%
HSV	339°, 10%, 100%
XYZ	84.6919, 83.4717, 92.5368
YIQ	237.8000, 12.6070, 8.3110

# Conversions

## Conversions Part 2

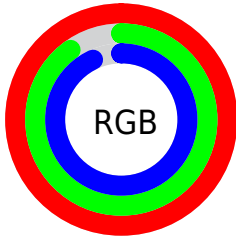
Format	Color
R <sub>Y</sub> B	255, 229, 238
Decimal	16770542
CIE Lab	93.22, 10.36, -1.13
CIE LCh	93, 10.423, 353.760
Yxy	83.4717, 0.3249, 0.3202
Android (android.graphics.Color)	4294960622 (0xFFFFE5EE)
YUV	237.8000, 0.0986, 15.0844
Hunter-Lab	91.3628, 5.5818, 3.9021

# Details

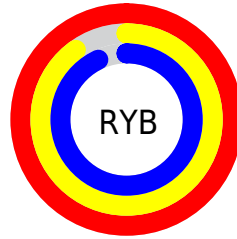
The RYB color **255, 229, 238** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **229, 245, 255**, and the grayscale version is **238, 238, 238**.

A 20% lighter version of the original color is 255, 255, 255, and **198, 174, 182** is the 20% darker color. If you saturate the color by 10%, you get **255, 204, 221**, and if you desaturate by 10%, it is 255, 255, 255.

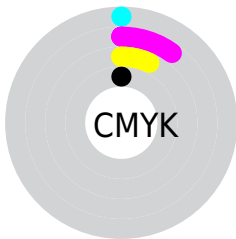
# Distribution



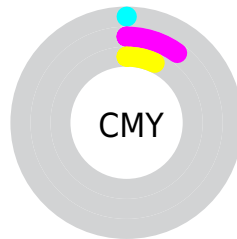
- Red (100%)
- Green (90%)
- Blue (93%)



- Red (100%)
- Yellow (90%)
- Blue (93%)



- Cyan (0%)
- Magenta (10%)
- Yellow (7%)
- Black (0%)



- Cyan (0%)
- Magenta (10%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 255, 229, 238 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 255, 229, 238 by changing the saturation by 10% instead.




 255, 229, 238


255, 255, 255

 255, 229, 238

 226, 201, 210


 198, 174, 182

 171, 147, 155

 144, 121, 129

 118, 96, 104

 94, 73, 80

 70, 50, 57

 47, 29, 36

 28, 4, 14

 255, 229, 238

 255, 229, 238

 255, 204, 221


255, 255, 255


 255, 178, 205


 255, 153, 188

 255, 127, 171

 255, 102, 155

 255, 76, 138

 255, 51, 121

 255, 25, 105

 255, 0, 88

# Harmonies

## Analogous

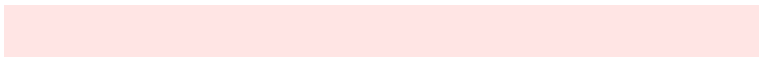
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



247, 231, 248



255, 229, 238



255, 229, 228

# Triad

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



255, 229, 238



217, 237, 219



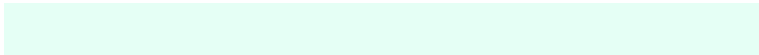
214, 229, 251

# Complementary

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



255, 229, 238



229, 245, 255

# 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.



211, 226, 243



255, 229, 238



223, 240, 239

# Square

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



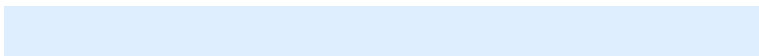
255, 229, 238



236, 246, 216



215, 230, 241



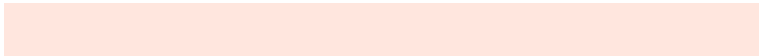
223, 233, 255

# Rectangle

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



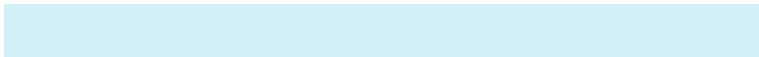
255, 229, 238



255, 233, 222



215, 230, 241



212, 228, 249



# Sweetspot

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



255, 229, 238



255, 247, 250



246, 229, 255



128, 122, 124



0, 0, 0



128, 128, 128



# Same Dimension

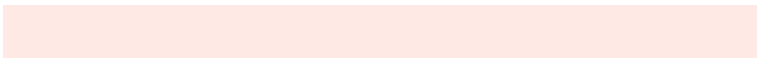
The Same Dimension uses a secret algorithm to generate beautiful new colors.



255, 229, 238



255, 224, 235



255, 234, 229



128, 115, 119



191, 0, 66



64, 0, 22



# Inverse Universe

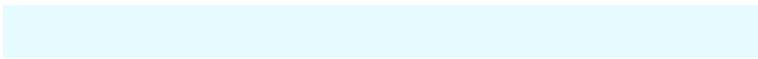
The Inverse Universe completely reimagines the original color for something new.



255, 229, 238



255, 224, 235



229, 241, 255



128, 115, 119



191, 0, 66

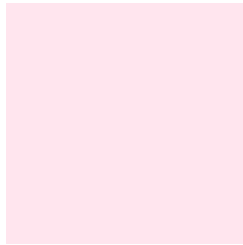


64, 0, 22



# Previews

## White Background



This preview shows how the RYB color 255, 229, 238 looks on a white background.

## Color Contrast Check

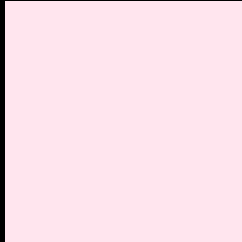
Large Text (above 18pt) WCAG AA × Fail

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 255, 229, 238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

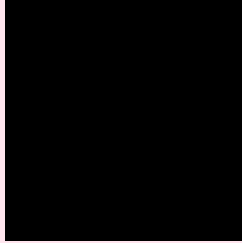
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 255, 229, 238 Background**



This preview shows how black text looks on a background with the RYB color 255, 229, 238.

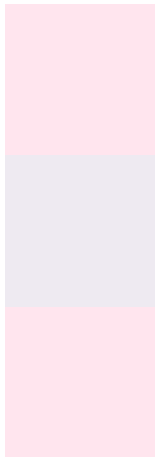


This preview shows how white text looks on a background with the RYB color 255, 229, 238.

# 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**  
255, 229, 238

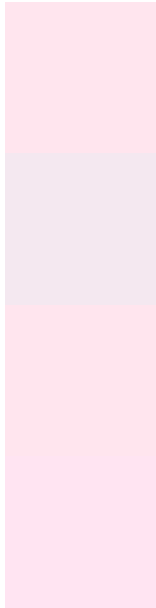
**Protanopia**  
238, 234, 241

**Deuteranopia**  
255, 229, 238



**Tritanopia**  
255, 228, 245

# Trichromacy



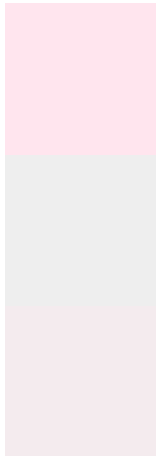
**Original Color**  
255, 229, 238

**Protanomaly**  
244, 232, 240

**Deuteranomaly**  
255, 229, 238

**Tritanomaly**  
255, 228, 242

# Monochromacy



**Original Color**  
255, 229, 238

**Achromatopsia**  
238, 238, 238

**Achromatomaly**  
244, 235, 238

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 255, 229, 238 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(255, 229, 238) looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 238)  
}
```

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(255, 229, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 238) }
```

## Border

The CSS property to change the border of an element to RYB 255, 229, 238 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(255, 229, 238) }
```

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

```
.border{ border-color:rgb(255, 229, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
238) }
```

# Background

The CSS property to change the background color of an element to RYB 255, 229, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 238) }
```

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

```
.background{ background-color: rgb(255,  
229, 238) }
```

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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