

# Converting Colors

`RYB(244, 230, 248)`

Have a look what the booklet for RYB(244, 230, 248) contains.

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# **Color**

**R<sub>Y</sub>B(244, 230, 248)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4E6F8
RGB	244, 230, 248
RGB Percent	96%, 90%, 97%
CMY	0.0431, 0.0980, 0.0275
CMYK	0.02, 0.07, 0.00, 0.03
HSL	287°, 56%, 94%
HSV	287°, 7%, 97%
XYZ	82.5483, 82.6040, 100.4003
YIQ	236.2380, 2.5660, 8.5660

# Conversions

## Conversions Part 2

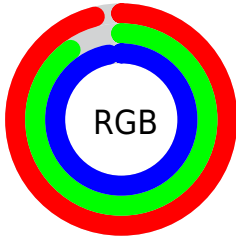
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	244, 230, 248
Decimal	16049912
CIE Lab	92.84, 7.90, -7.01
CIE LCh	93, 10.564, 318.437
Yxy	82.6040, 0.3109, 0.3111
Android (android.graphics.Color)	4294239992 (0xFF4E6F8)
YUV	236.2380, 5.7987, 6.8073
Hunter-Lab	90.8868, 3.0716, -1.8755

# Details

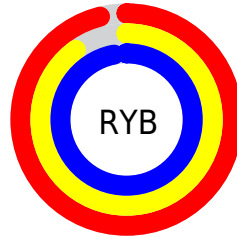
The RYB color `244, 230, 248` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `230, 248, 244`, and the grayscale version is `236, 236, 236`.

A 20% lighter version of the original color is `255, 255, 255`, and `188, 175, 192` is the 20% darker color. If you saturate the color by 10%, you get `238, 205, 248`, and if you desaturate by 10%, it is `248, 255, 253`.

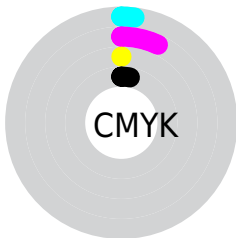
# Distribution



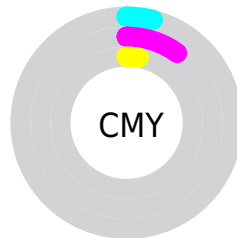
- Red (96%)
- Green (90%)
- Blue (97%)



- Red (96%)
- Yellow (90%)
- Blue (97%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)



- Cyan (4%)
- Magenta (10%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 244, 230, 248 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 244, 230, 248 by changing the saturation by 10% instead.



244, 230, 248

255, 255, 255

244, 230, 248

216, 202, 219

188, 175, 192

161, 148, 165

135, 122, 138

109, 97, 113

85, 73, 88

62, 51, 65

40, 30, 43


20, 5, 23

 244, 230, 248


 244, 230, 248


 238, 205, 248


 248, 255, 253


 233, 180, 248

 248, 255, 248


 227, 156, 248

 222, 131, 248

 216, 106, 248

 211, 81, 248

 205, 56, 248

 200, 32, 248

 194, 7, 248

# Harmonies

## Analogous

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



232, 233, 254



244, 230, 248



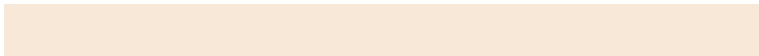
253, 228, 239

# Triad

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



244, 230, 248



243, 247, 215



210, 226, 241

# Complementary

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



244, 230, 248



230, 248, 244

# 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.



215, 231, 240



244, 230, 248



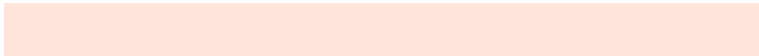
215, 236, 215

# Square

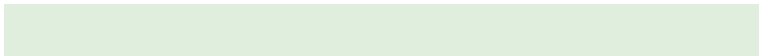
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



244, 230, 248



255, 232, 220



221, 239, 236



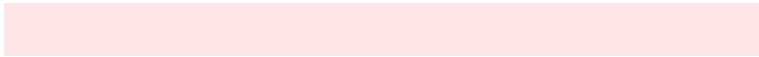
211, 227, 249

# Rectangle

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



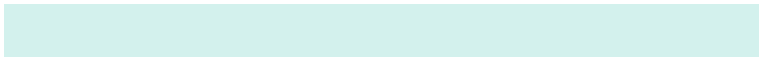
244, 230, 248



255, 228, 232



221, 239, 236



211, 227, 241

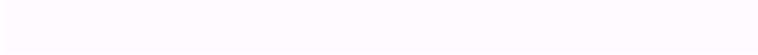


# Sweetspot

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



244, 230, 248



254, 250, 255



230, 233, 248



127, 125, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



244, 230, 248



250, 232, 255



248, 230, 243



122, 112, 125



147, 0, 189



48, 0, 61



# Inverse Universe

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



248, 230, 234



255, 232, 237



230, 244, 248



125, 112, 115



189, 0, 42

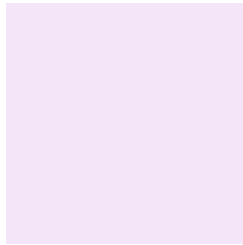


61, 0, 14



# Previews

## White Background



This preview shows how the RYB color 244, 230, 248 looks on a white background.

## Color Contrast Check

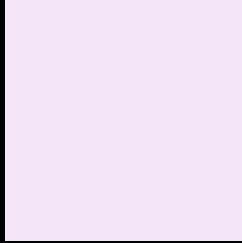
Large Text (above 18pt) WCAG AA × Fail

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 244, 230, 248 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

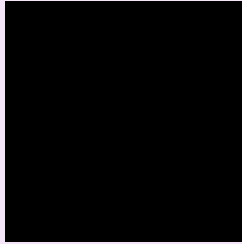
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 244, 230, 248 Background**



This preview shows how black text looks on a background with the RYB color 244, 230, 248.



This preview shows how white text looks on a background with the RYB color 244, 230, 248.

# 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> 244, 230, 248
	<b>Protanopia</b> 234, 233, 250
	<b>Deuteranopia</b> 251, 228, 248



# Tritanopia

244, 230, 248

# Trichromacy



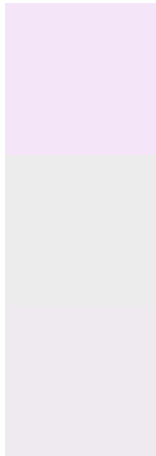
**Original Color**  
244, 230, 248

**Protanomaly**  
238, 232, 249

**Deuteranomaly**  
248, 229, 248

**Tritanomaly**  
244, 230, 248

# Monochromacy



**Original Color**  
244, 230, 248

**Achromatopsia**  
236, 236, 236

**Achromatomaly**  
239, 234, 240

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 244, 230, 248 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, 230, 248) looks like.

```
.text, #text, p{  
    color:rgb(244, 230, 248)  
}
```

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, 230, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 230, 248) }
```

## Border

The CSS property to change the border of an element to RYB 244, 230, 248 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, 230, 248) }
```

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

```
.border{ border-color:rgb(244, 230, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 230, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 230, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 230, 248);  
box-shadow:4px 4px 4px 4px rgb(244, 230,  
248) }
```

# Background

The CSS property to change the background color of an element to RYB 244, 230, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 230, 248) }
```

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

```
.background{ background-color: rgb(244,  
230, 248) }
```

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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