

# Converting Colors

`RYB(240, 232, 250)`

Have a look what the booklet for RYB(240, 232, 250) contains.

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# **Color**

**R<sub>Y</sub>B(240, 232, 250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0E8FA
RGB	240, 232, 250
RGB Percent	94%, 91%, 98%
CMY	0.0588, 0.0902, 0.0196
CMYK	0.04, 0.07, 0.00, 0.02
HSL	267°, 64%, 95%
HSV	267°, 7%, 98%
XYZ	82.0471, 83.1406, 102.1659
YIQ	236.4440, -1.0100, 7.2940

# Conversions

## Conversions Part 2

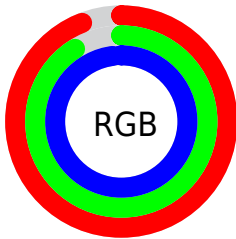
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	240, 232, 250
Decimal	15788282
CIE <sub>Lab</sub>	93.08, 5.92, -7.74
CIE <sub>LCh</sub>	93, 9.744, 307.434
Yxy	83.1406, 0.3069, 0.3110
Android (android.graphics.Color)	4293978362 (0xFFFF0E8FA)
YUV	236.4440, 6.6831, 3.1186
Hunter-Lab	91.1815, 1.0507, -2.6055

# Details

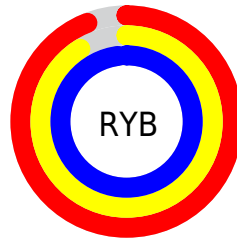
The RYB color `240, 232, 250` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `232, 250, 240`, and the grayscale version is `236, 236, 236`.

A 20% lighter version of the original color is `255, 255, 255`, and `184, 176, 194` is the 20% darker color. If you saturate the color by 10%, you get `226, 207, 250`, and if you desaturate by 10%, it is `250, 255, 251`.

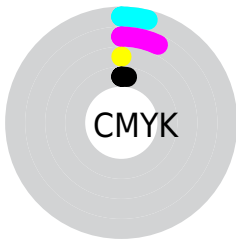
# Distribution



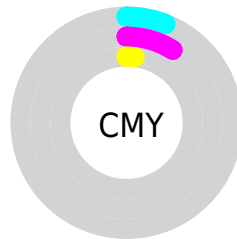
- Red (94%)
- Green (91%)
- Blue (98%)



- Red (94%)
- Yellow (91%)
- Blue (98%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)



- Cyan (6%)
- Magenta (9%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 240, 232, 250 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 240, 232, 250 by changing the saturation by 10% instead.




 240, 232, 250

255, 255, 255

 240, 232, 250

 212, 204, 221

 184, 176, 194

 157, 150, 166

 131, 124, 140

 106, 99, 115

 82, 75, 90

 59, 53, 67

 37, 31, 44


 17, 7, 24

 240, 232, 250

 240, 232, 250


 226, 207, 250


 250, 255, 251

 212, 182, 250


 250, 255, 250

 198, 157, 250


 184, 132, 250

 171, 107, 250

 157, 82, 250

 143, 57, 250

 129, 32, 250

 115, 7, 250

# Harmonies

## Analogous

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



228, 234, 254



240, 232, 250



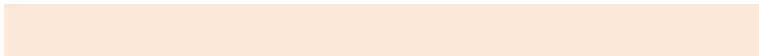
250, 230, 242

# Triad

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



240, 232, 250



250, 243, 218



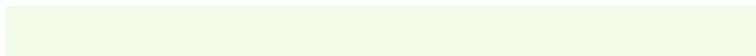
213, 228, 241

# Complementary

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



240, 232, 250



232, 250, 240

# 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.



220, 234, 240



240, 232, 250



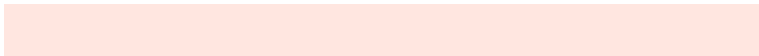
225, 241, 217

# Square

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



240, 232, 250



255, 231, 224



220, 238, 228



213, 228, 246

# Rectangle

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



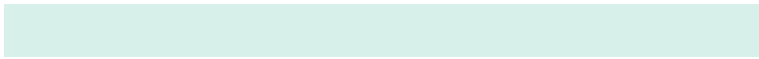
240, 232, 250



254, 229, 236



220, 238, 228



215, 230, 241



# Sweetspot

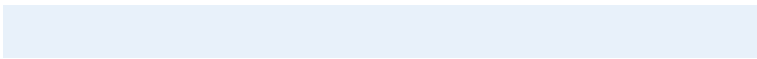
The Sweet Spot groups the original color and five complimentary colors.



240, 232, 250



252, 250, 255



232, 238, 250



126, 125, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



240, 232, 250



242, 232, 255



249, 232, 250



118, 112, 125



84, 0, 189



27, 0, 61



# Inverse Universe

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



250, 232, 242



255, 232, 245



232, 250, 249



125, 112, 119



189, 0, 105

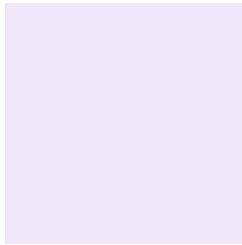


61, 0, 34



# Previews

## White Background



This preview shows how the RYB color 240, 232, 250 looks on a white background.

## Color Contrast Check

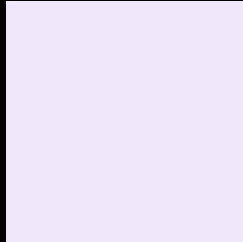
Large Text (above 18pt) WCAG AA × Fail

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 240, 232, 250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

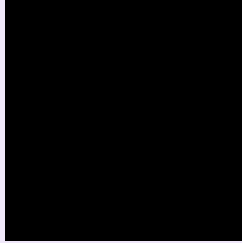
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

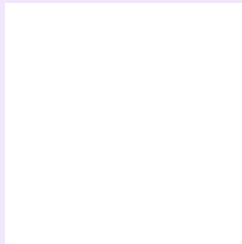
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RYB 240, 232, 250 Background



This preview shows how black text looks on a background with the RYB color 240, 232, 250.



This preview shows how white text looks on a background with the RYB color 240, 232, 250.

# 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**  
240, 232, 250

**Protanopia**  
235, 234, 251

**Deuteranopia**  
251, 228, 251



# Tritanopia

240, 232, 250

# Trichromacy



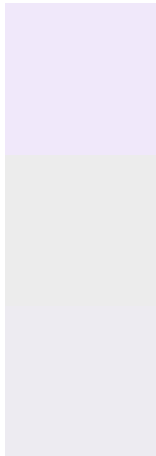
**Original Color**  
240, 232, 250

**Protanomaly**  
237, 233, 251

**Deuteranomaly**  
247, 229, 251

**Tritanomaly**  
240, 232, 250

# Monochromacy



**Original Color**  
240, 232, 250

**Achromatopsia**  
236, 236, 236

**Achromatomaly**  
237, 235, 241

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 240, 232, 250 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(240, 232, 250) looks like.

```
.text, #text, p{  
    color:rgb(240, 232, 250)  
}
```

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(240, 232, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 232, 250) }
```

## Border

The CSS property to change the border of an element to RYB 240, 232, 250 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(240, 232, 250) }
```

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

```
.border{ border-color:rgb(240, 232, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 232, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 232, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 232, 250);  
box-shadow:4px 4px 4px 4px rgb(240, 232,  
250) }
```

# Background

The CSS property to change the background color of an element to RYB 240, 232, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 232, 250) }
```

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

```
.background{ background-color: rgb(240,  
232, 250) }
```

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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