

Converting Colors

`RYB(242, 236, 247)`

Have a look what the booklet for RYB(242, 236, 247) contains.

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Color

R_YB(242, 236, 247)

Conversions

Conversions Part 1

Format	Color
Hex	F2ECF7
RGB	242, 236, 247
RGB Percent	95%, 93%, 97%
CMY	0.0510, 0.0745, 0.0314
CMYK	0.02, 0.04, 0.00, 0.03
HSL	273°, 41%, 95%
HSV	273°, 4%, 97%
XYZ	83.4019, 85.5836, 100.1192
YIQ	239.0480, 0.0450, 4.6930

Conversions

Conversions Part 2

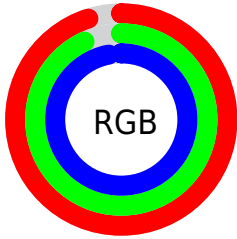
Format	Color
R_{YB}	242, 236, 247
Decimal	15920375
CIE Lab	94.13, 3.97, -4.60
CIE LCh	94, 6.073, 310.804
Yxy	85.5836, 0.3099, 0.3180
Android (android.graphics.Color)	4294110455 (0xFF F2EC F7)
YUV	239.0480, 3.9203, 2.5889
Hunter-Lab	92.5114, -0.9716, 0.5921

Details

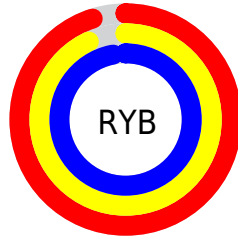
The RYB color `242, 236, 247` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `236, 247, 242`, and the grayscale version is `239, 239, 239`.

A 20% lighter version of the original color is `255, 255, 255`, and `186, 180, 191` is the 20% darker color. If you saturate the color by 10%, you get `231, 211, 247`, and if you desaturate by 10%, it is `247, 255, 249`.

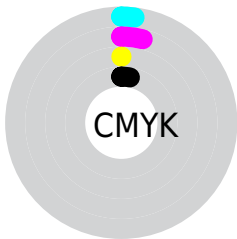
Distribution



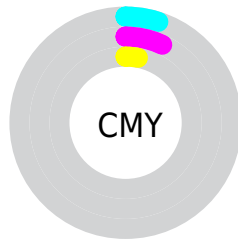
- Red (95%)
- Green (93%)
- Blue (97%)



- Red (95%)
- Yellow (93%)
- Blue (97%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (5%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 236, 247 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 242, 236, 247 by changing the saturation by 10% instead.

■ 242, 236, 247

255, 255, 255

■ 242, 236, 247

■ 214, 208, 219

■ 186, 180, 191

■ 159, 153, 164

■ 133, 128, 137

■ 108, 102, 112

■ 83, 78, 88


■ 60, 56, 64

■ 39, 34, 42


■ 18, 12, 22

 242, 236, 247

 242, 236, 247


 231, 211, 247


 247, 255, 249

 220, 187, 247


 247, 255, 247

 208, 162, 247


 197, 137, 247

 186, 113, 247

 175, 88, 247

 163, 63, 247

 152, 38, 247

 141, 14, 247

Harmonies

Analogous

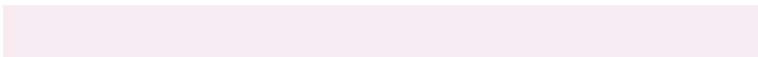
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



235, 238, 250



242, 236, 247



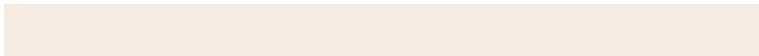
248, 235, 242

Triad

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



242, 236, 247



247, 243, 227



225, 234, 242

Complementary

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



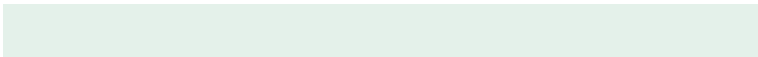
242, 236, 247



236, 247, 242

Split Complementary

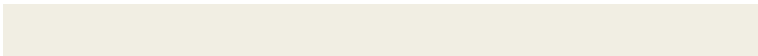
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



228, 237, 241



242, 236, 247



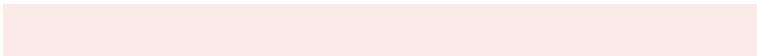
231, 241, 227

Square

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



242, 236, 247



251, 236, 231



229, 240, 235



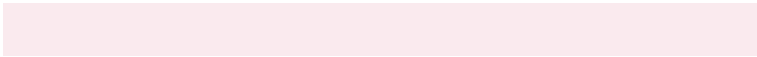
225, 234, 246

Rectangle

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



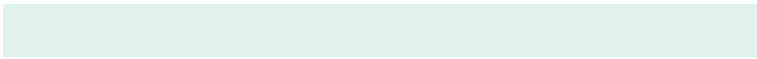
242, 236, 247



250, 234, 238



229, 240, 235



225, 235, 242

Sweetspot

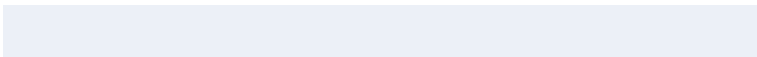
The Sweet Spot groups the original color and five complimentary colors.



242, 236, 247



254, 252, 255



236, 239, 247



127, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



242, 236, 247



249, 242, 255



247, 236, 247



119, 115, 122



102, 0, 186



32, 0, 59

Inverse Universe

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



247, 236, 241



255, 242, 248



236, 247, 247



122, 115, 118



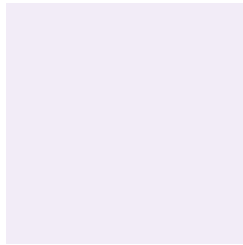
186, 0, 85



59, 0, 27

Previews

White Background



This preview shows how the RYB color 242, 236, 247 looks on a white background.

Color Contrast Check

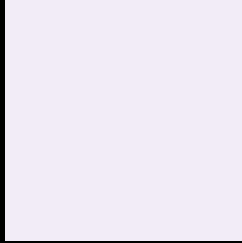
Large Text (above 18pt) WCAG AA × Fail

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 242, 236, 247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

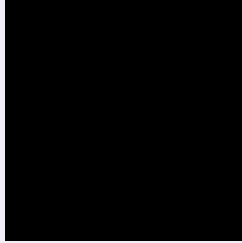
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

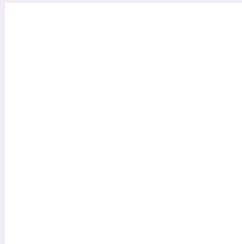
Any Text WCAG AAA ✓ Pass

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

RYB 242, 236, 247 Background



This preview shows how black text looks on a background with the RYB color 242, 236, 247.

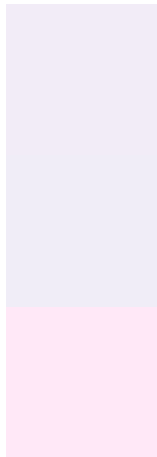


This preview shows how white text looks on a background with the RYB color 242, 236, 247.

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
242, 236, 247

Protanopia
240, 237, 247

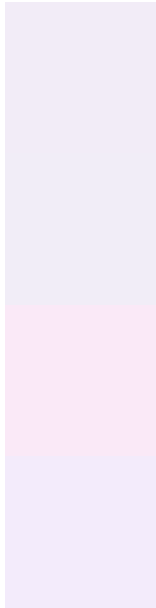
Deuteranopia
255, 232, 247



Tritanopia

243, 235, 254

Trichromacy



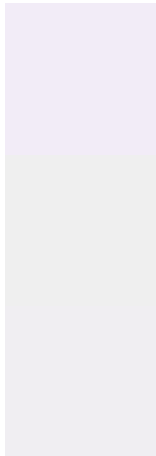
Original Color
242, 236, 247

Protanomaly
241, 237, 247

Deuteranomaly
250, 233, 247

Tritanomaly
243, 235, 251

Monochromacy



Original Color
242, 236, 247

Achromatopsia
239, 239, 239

Achromatomaly
240, 238, 242

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 236, 247 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(242, 236, 247) looks like.

```
.text, #text, p{  
    color:rgb(242, 236, 247)  
}
```

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(242, 236, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 236, 247) }
```

Border

The CSS property to change the border of an element to RYB 242, 236, 247 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(242, 236, 247) }
```

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

```
.border{ border-color:rgb(242, 236, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 236, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 236, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 236, 247);  
box-shadow:4px 4px 4px 4px rgb(242, 236,  
247) }
```

Background

The CSS property to change the background color of an element to RYB 242, 236, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 236, 247) }
```

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

```
.background{ background-color: rgb(242,  
236, 247) }
```

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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