

Converting Colors

`RYB(242, 236, 253)`

Have a look what the booklet for RYB(242, 236, 253) contains.

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Color

R_YB(242, 236, 253)

Conversions

Conversions Part 1

Format	Color
Hex	F2ECFD
RGB	242, 236, 253
RGB Percent	95%, 93%, 99%
CMY	0.0510, 0.0745, 0.0078
CMYK	0.04, 0.07, 0.00, 0.01
HSL	261°, 81%, 96%
HSV	261°, 7%, 99%
XYZ	84.3430, 85.9600, 105.0751
YIQ	239.7320, -1.8810, 6.5590

Conversions

Conversions Part 2

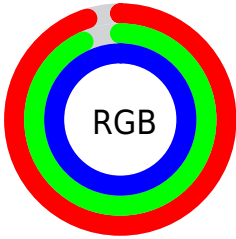
Format	Color
R_{YB}	242, 236, 253
Decimal	15920381
CIE Lab	94.30, 5.07, -7.48
CIE LCh	94, 9.032, 304.129
Yxy	85.9600, 0.3063, 0.3122
Android (android.graphics.Color)	4294110461 (0xFFF2ECFD)
YUV	239.7320, 6.5411, 1.9890
Hunter-Lab	92.7146, 0.1319, -2.2942

Details

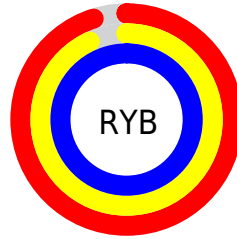
The RYB color `242, 236, 253` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `236, 253, 242`, and the grayscale version is `240, 240, 240`.

A 20% lighter version of the original color is `255, 255, 255`, and `186, 180, 196` is the 20% darker color. If you saturate the color by 10%, you get `226, 211, 253`, and if you desaturate by 10%, it is `253, 255, 253`.

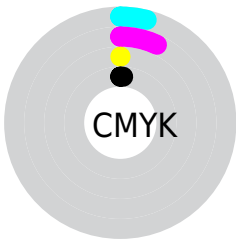
Distribution



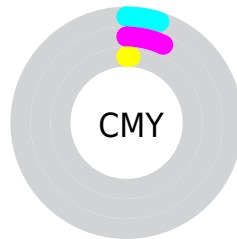
- Red (95%)
- Green (93%)
- Blue (99%)



- Red (95%)
- Yellow (93%)
- Blue (99%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (5%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 236, 253 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, 253 by changing the saturation by 10% instead.

 242, 236, 253

 242, 236, 253

255, 255, 255


 214, 208, 224

 186, 180, 196


 159, 153, 169


 133, 128, 143

 108, 102, 117

 83, 78, 92

 60, 56, 69

 38, 34, 47

 18, 12, 26

■ 242, 236, 253

■ 242, 236, 253

■ 226, 211, 253

253, 255, 253

■ 209, 185, 253

■ 193, 160, 253

■ 177, 135, 253

■ 160, 110, 253

■ 144, 84, 253

■ 127, 59, 253

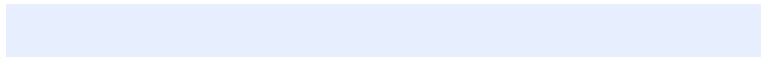
■ 111, 34, 253

■ 95, 8, 253

Harmonies

Analogous

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



231, 237, 255



242, 236, 253



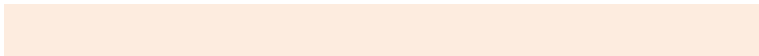
251, 234, 246

Triad

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



242, 236, 253



253, 246, 223



219, 233, 244

Complementary

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



242, 236, 253



236, 253, 242

Split Complementary

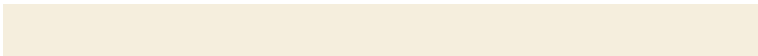
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



225, 239, 243



242, 236, 253



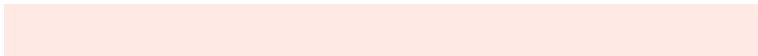
231, 245, 221

Square

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



242, 236, 253



255, 234, 229



224, 241, 230



218, 232, 248

Rectangle

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



242, 236, 253



255, 233, 241



224, 241, 230



220, 234, 244

Sweetspot

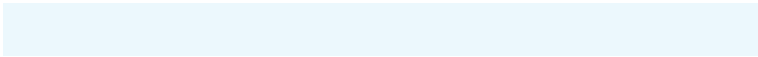
The Sweet Spot groups the original color and five complimentary colors.



242, 236, 253



252, 250, 255



236, 243, 253



126, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



242, 236, 253



242, 235, 255



250, 236, 253



119, 115, 128



67, 0, 191



22, 0, 64

Inverse Universe

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



253, 236, 247



255, 235, 248



236, 253, 250



128, 115, 123



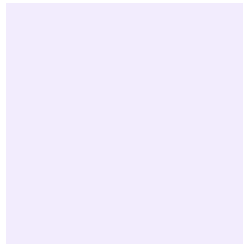
191, 0, 124



64, 0, 41

Previews

White Background



This preview shows how the RYB color 242, 236, 253 looks on a white background.

Color Contrast Check

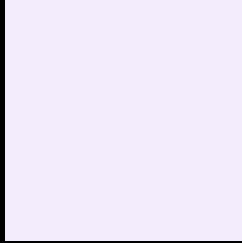
Large Text (above 18pt) WCAG AA × Fail

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, 253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

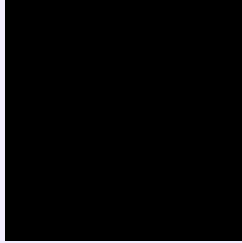
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

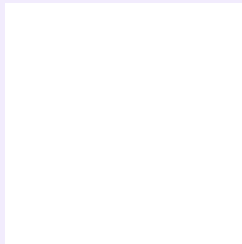
Any Text WCAG AAA ✓ Pass

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

RYB 242, 236, 253 Background



This preview shows how black text looks on a background with the RYB color 242, 236, 253.



This preview shows how white text looks on a background with the RYB color 242, 236, 253.

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, 253

Protanopia
238, 237, 254

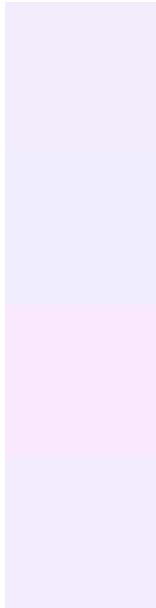
Deuteranopia
255, 232, 254



Tritanopia

242, 236, 254

Trichromacy



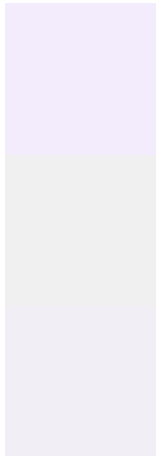
Original Color
242, 236, 253

Protanomaly
239, 237, 254

Deuteranomaly
250, 233, 254

Tritanomaly
242, 236, 254

Monochromacy



Original Color
242, 236, 253

Achromatopsia
240, 240, 240

Achromatomaly
241, 239, 245

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 236, 253 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, 253) looks like.

```
.text, #text, p{  
    color:rgb(242, 236, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 236, 253) }
```

Border

The CSS property to change the border of an element to RYB 242, 236, 253 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, 253) }
```

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

```
.border{ border-color:rgb(242, 236, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 236, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 236, 253);  
box-shadow:4px 4px 4px 4px rgb(242, 236,  
253) }
```

Background

The CSS property to change the background color of an element to RYB 242, 236, 253 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, 253) }
```

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

```
.background{ background-color: rgb(242,  
236, 253) }
```

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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