

Converting Colors

`RYB(242, 240, 255)`

Have a look what the booklet for RYB(242, 240, 255) contains.

RYB(242, 240, 255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(242, 240, 255)

Conversions

Conversions Part 1

Format	Color
Hex	F2F0FF
RGB	242, 240, 255
RGB Percent	95%, 94%, 100%
CMY	0.0510, 0.0588, 0.0000
CMYK	0.05, 0.06, 0.00, 0.00
HSL	248°, 100%, 97%
HSV	248°, 6%, 100%
XYZ	85.8280, 88.4174, 107.1504
YIQ	242.3080, -3.6230, 5.0890

Conversions

Conversions Part 2

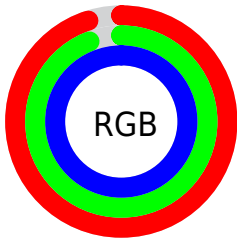
Format	Color
R _Y B	242, 240, 255
Decimal	15921407
CIE Lab	95.34, 3.38, -6.97
CIE LCh	95, 7.751, 295.878
Yxy	88.4174, 0.3050, 0.3142
Android (android.graphics.Color)	4294111487 (0xFF2F0FF)
YUV	242.3080, 6.2572, -0.2701
Hunter-Lab	94.0305, -1.6244, -1.7412

Details

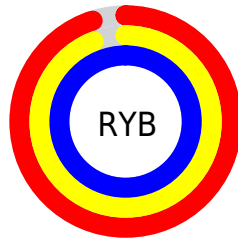
The RYB color `242, 240, 255` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `240, 255, 242`, and the grayscale version is `242, 242, 242`.

A 20% lighter version of the original color is `255, 255, 255`, and `186, 184, 198` is the 20% darker color. If you saturate the color by 10%, you get `220, 215, 255`, and if you desaturate by 10%, it is `255, 255, 255`.

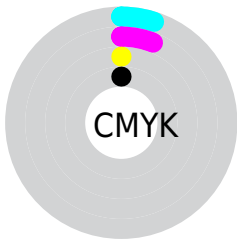
Distribution



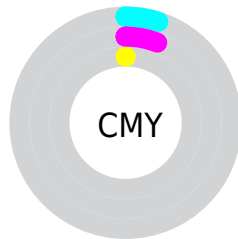
- Red (95%)
- Green (94%)
- Blue (100%)



- Red (95%)
- Yellow (94%)
- Blue (100%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 240, 255 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, 240, 255 by changing the saturation by 10% instead.

242, 240, 255

255, 255, 255

242, 240, 255

214, 212, 226

186, 184, 198

159, 157, 171

133, 131, 145

108, 106, 119

83, 82, 94

60, 59, 71

38, 37, 48


18, 16, 27


 242, 240, 255


 242, 240, 255


 220, 215, 255

255, 255, 255

 198, 189, 255

 176, 163, 255

 154, 138, 255

 131, 113, 255

 109, 87, 255

 87, 61, 255

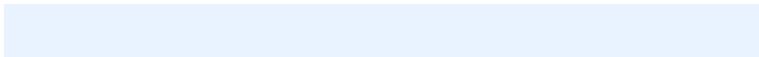
 65, 36, 255

 43, 10, 255

Harmonies

Analogous

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



233, 240, 255



242, 240, 255



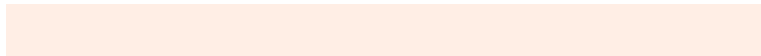
251, 238, 250

Triad

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



242, 240, 255



255, 243, 229



226, 238, 246

Complementary

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



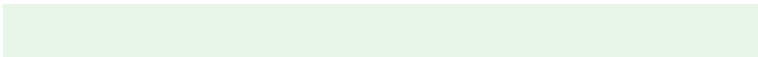
242, 240, 255



240, 255, 242

Split Complementary

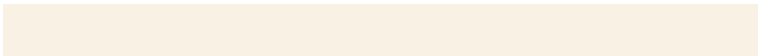
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



232, 244, 245



242, 240, 255



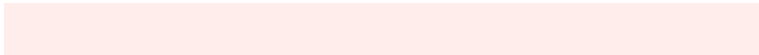
240, 249, 227

Square

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



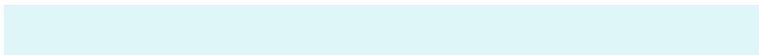
242, 240, 255



255, 237, 235



228, 243, 230



223, 235, 248

Rectangle

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



242, 240, 255



255, 237, 245



228, 243, 230



228, 240, 246

Sweetspot

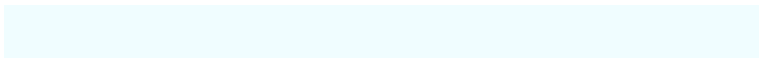
The Sweet Spot groups the original color and five complimentary colors.



242, 240, 255



251, 250, 255



240, 247, 255



125, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



242, 240, 255



240, 237, 255



250, 240, 255



119, 117, 128



25, 0, 191



8, 0, 64

Inverse Universe

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



255, 240, 253



255, 237, 253



240, 255, 249



128, 117, 126



191, 0, 166



64, 0, 55

Previews

White Background



This preview shows how the RYB color 242, 240, 255 looks on a white background.

Color Contrast Check

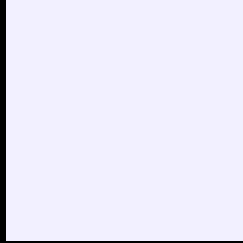
Large Text (above 18pt) WCAG AA × Fail

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, 240, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

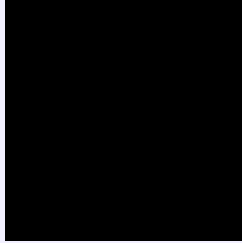
Any Text WCAG AA ✓ Pass

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, 240, 255 Background



This preview shows how black text looks on a background with the RYB color 242, 240, 255.



This preview shows how white text looks on a background with the RYB color 242, 240, 255.

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

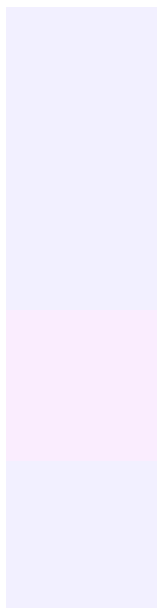
	Original Color 242, 240, 255
	Protanopia 242, 240, 255
	Deuteranopia 255, 236, 253



Tritanopia

242, 240, 255

Trichromacy



Original Color

242, 240, 255

Protanomaly

242, 240, 255

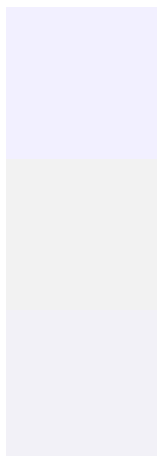
Deuteranomaly

250, 237, 254

Tritanomaly

242, 240, 255

Monochromacy



Original Color

242, 240, 255

Achromatopsia

242, 242, 242

Achromatomaly

242, 241, 247

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 240, 255 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, 240, 255) looks like.

```
.text, #text, p{  
    color:rgb(242, 240, 255)  
}
```

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, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 240, 255) }
```

Border

The CSS property to change the border of an element to RYB 242, 240, 255 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, 240, 255) }
```

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

```
.border{ border-color:rgb(242, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 240,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 242, 240, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 240, 255) }
```

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

```
.background{ background-color: rgb(242,  
240, 255) }
```

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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