

Converting Colors

`RYB(247, 240, 255)`

Have a look what the booklet for RYB(247, 240, 255) contains.

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Color

R_YB(247, 240, 255)

Conversions

Conversions Part 1

Format	Color
Hex	F7F0FF
RGB	247, 240, 255
RGB Percent	97%, 94%, 100%
CMY	0.0314, 0.0588, 0.0000
CMYK	0.03, 0.06, 0.00, 0.00
HSL	268°, 100%, 97%
HSV	268°, 6%, 100%
XYZ	87.5679, 89.3143, 107.2318
YIQ	243.8030, -0.6430, 6.1490

Conversions

Conversions Part 2

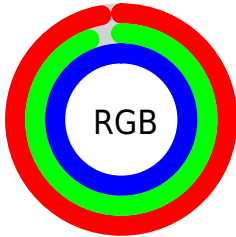
Format	Color
R _Y B	247, 240, 255
Decimal	16249087
CIE Lab	95.71, 5.01, -6.38
CIE LCh	96, 8.110, 308.150
Yxy	89.3143, 0.3082, 0.3144
Android (android.graphics.Color)	4294439167 (0xFF7F0FF)
YUV	243.8030, 5.5201, 2.8038
Hunter-Lab	94.5063, 0.0090, -1.1192

Details

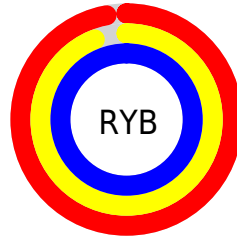
The RYB color `247, 240, 255` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `240, 255, 247`, and the grayscale version is `244, 244, 244`.

A 20% lighter version of the original color is `255, 255, 255`, and `191, 184, 198` is the 20% darker color. If you saturate the color by 10%, you get `233, 215, 255`, and if you desaturate by 10%, it is `255, 255, 255`.

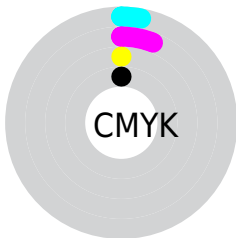
Distribution



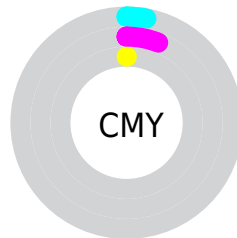
- Red (97%)
- Green (94%)
- Blue (100%)



- Red (97%)
- Yellow (94%)
- Blue (100%)



- Cyan (3%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 247, 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 247, 240, 255 by changing the saturation by 10% instead.

247, 240, 255

255, 255, 255

247, 240, 255

218, 212, 226

191, 184, 198

164, 157, 171

137, 131, 145

112, 106, 119

87, 82, 94

64, 59, 71

42, 37, 48

22, 16, 27

247, 240, 255

247, 240, 255

233, 215, 255

255, 255, 255

220, 189, 255

206, 163, 255

193, 138, 255

179, 113, 255

165, 87, 255

152, 61, 255

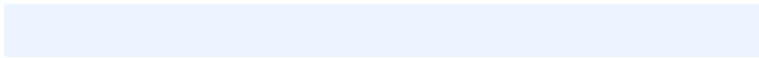
138, 36, 255

125, 10, 255

Harmonies

Analogous

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



237, 242, 255



247, 240, 255



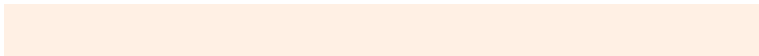
255, 238, 249

Triad

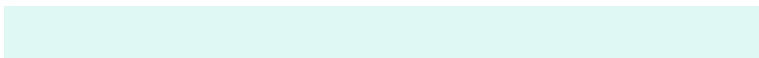
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



247, 240, 255



255, 250, 228



224, 237, 248

Complementary

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



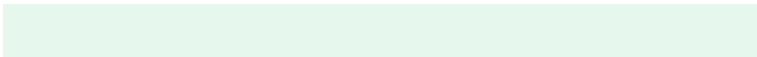
247, 240, 255



240, 255, 247

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.



230, 242, 247



247, 240, 255



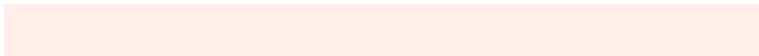
232, 247, 227

Square

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



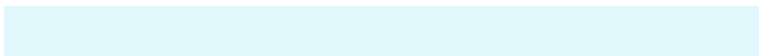
247, 240, 255



255, 239, 233



230, 245, 237



224, 237, 252

Rectangle

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



247, 240, 255



255, 238, 243



230, 245, 237



226, 238, 247

Sweetspot

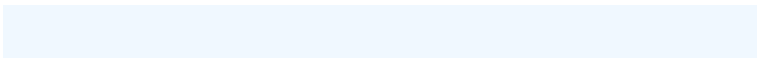
The Sweet Spot groups the original color and five complimentary colors.



247, 240, 255



252, 250, 255



240, 245, 255



126, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



247, 240, 255



245, 237, 255



255, 240, 255



122, 117, 128



89, 0, 191



30, 0, 64

Inverse Universe

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



255, 240, 248



255, 237, 247



240, 255, 254



128, 117, 123



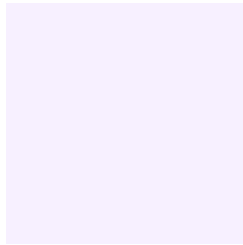
191, 0, 102



64, 0, 34

Previews

White Background



This preview shows how the RYB color 247, 240, 255 looks on a white background.

Color Contrast Check

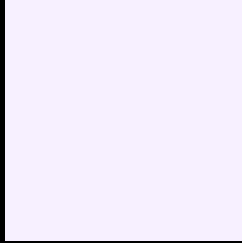
Large Text (above 18pt) WCAG AA × Fail

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 247, 240, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

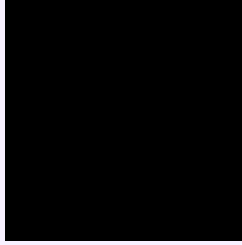
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

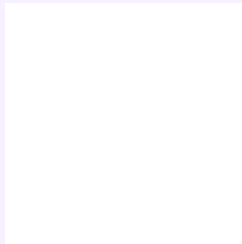
Any Text WCAG AAA ✓ Pass

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

RYB 247, 240, 255 Background



This preview shows how black text looks on a background with the RYB color 247, 240, 255.



This preview shows how white text looks on a background with the RYB color 247, 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
247, 240, 255

Protanopia
243, 241, 255

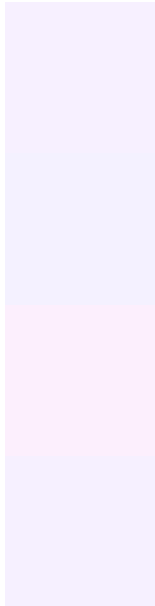
Deuteranopia
255, 238, 252



Tritanopia

246, 240, 255

Trichromacy



Original Color

247, 240, 255

Protanomaly

244, 241, 255

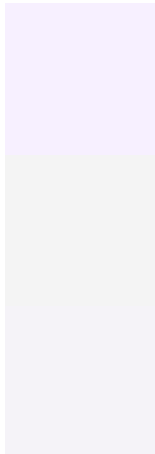
Deuteranomaly

252, 239, 253

Tritanomaly

246, 240, 255

Monochromacy



Original Color

247, 240, 255

Achromatopsia

244, 244, 244

Achromatomaly

245, 243, 248

CSS Examples

Text

The CSS property to change the color of the text to RYB 247, 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(247, 240, 255) looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 240, 255) }
```

Border

The CSS property to change the border of an element to RYB 247, 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(247, 240, 255) }
```

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

```
.border{ border-color:rgb(247, 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(247, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 240,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 247, 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(247, 240, 255) }
```

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

```
.background{ background-color: rgb(247,  
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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