

Converting Colors

`RYB(237, 231, 246)`

Have a look what the booklet for RYB(237, 231, 246) contains.

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Color

R_YB(237, 231, 246)

Conversions

Conversions Part 1

Format	Color
Hex	EDE7F6
RGB	237, 231, 246
RGB Percent	93%, 91%, 96%
CMY	0.0706, 0.0941, 0.0353
CMYK	0.04, 0.06, 0.00, 0.04
HSL	264°, 45%, 94%
HSV	264°, 6%, 96%
XYZ	80.1355, 81.8102, 98.7561
YIQ	234.5040, -1.2390, 5.9370

Conversions

Conversions Part 2

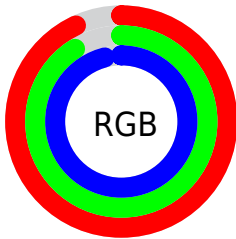
Format	Color
R _Y B	237, 231, 246
Decimal	15591414
CIE Lab	92.49, 4.72, -6.54
CIE LCh	92, 8.067, 305.794
Yxy	81.8102, 0.3074, 0.3138
Android (android.graphics.Color)	4293781494 (0xFFEDE7F6)
YUV	234.5040, 5.6675, 2.1890
Hunter-Lab	90.4490, -0.1392, -1.4211

Details

The RYB color `237, 231, 246` is a light color, and the websafe version is hex `FFFFFF`. A complement of this color would be `231, 246, 237`, and the grayscale version is `234, 234, 234`.

A 20% lighter version of the original color is `255, 255, 255`, and `181, 175, 190` is the 20% darker color. If you saturate the color by 10%, you get `222, 206, 246`, and if you desaturate by 10%, it is `246, 255, 249`.

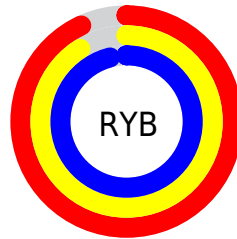
Distribution



Red (93%)

Green (91%)

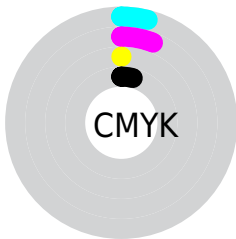
Blue (96%)



Red (93%)

Yellow (91%)

Blue (96%)

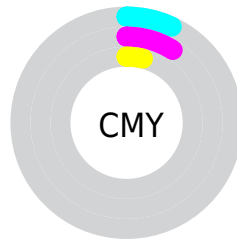


Cyan (4%)

Magenta (6%)

Yellow (0%)

Black (4%)



Cyan (7%)

Magenta (9%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 237, 231, 246 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 237, 231, 246 by changing the saturation by 10% instead.

■ 237, 231, 246

255, 255, 255

■ 237, 231, 246

■ 209, 203, 218

■ 181, 175, 190

■ 154, 149, 163

■ 128, 123, 136

■ 103, 98, 111

■ 79, 74, 87

■ 56, 52, 63

■ 35, 31, 42

■ 14, 6, 21

237, 231, 246

237, 231, 246

222, 206, 246

246, 255, 249

207, 182, 246

246, 255, 246

193, 157, 246

178, 133, 246

163, 108, 246

148, 83, 246

134, 59, 246

119, 34, 246

104, 10, 246

Harmonies

Analogous

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



227, 232, 249



237, 231, 246



245, 229, 240

Triad

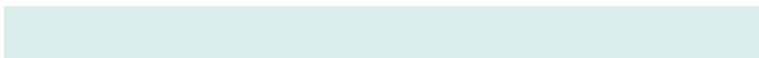
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



237, 231, 246



246, 239, 220



216, 228, 238

Complementary

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



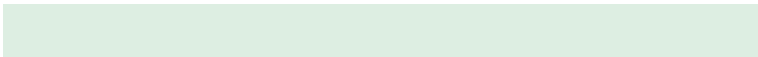
237, 231, 246



231, 246, 237

Split Complementary

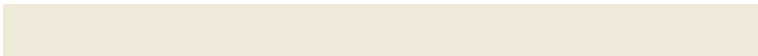
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



221, 234, 238



237, 231, 246



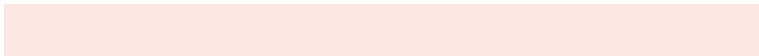
226, 239, 218

Square

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



237, 231, 246



250, 230, 225



221, 236, 227



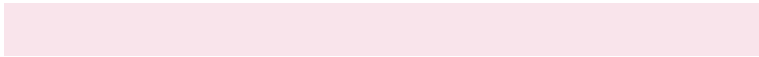
215, 227, 242

Rectangle

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



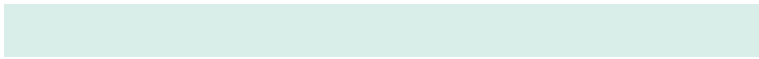
237, 231, 246



249, 228, 235



221, 236, 227



217, 229, 238

Sweetspot

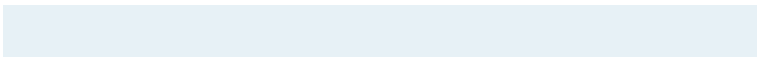
The Sweet Spot groups the original color and five complimentary colors.



237, 231, 246



252, 250, 255



231, 237, 246



126, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



237, 231, 246



244, 237, 255



245, 231, 246



117, 113, 122



74, 0, 186



23, 0, 59

Inverse Universe

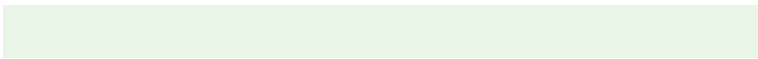
The Inverse Universe completely reimagines the original color for something new.



246, 231, 240



255, 237, 248



231, 246, 244



122, 113, 118



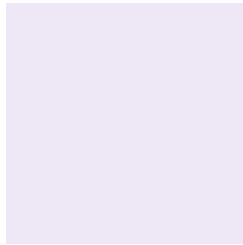
186, 0, 112



59, 0, 35

Previews

White Background



This preview shows how the RYB color 237, 231, 246 looks on a white background.

Color Contrast Check

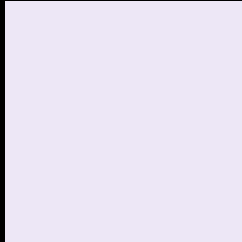
Large Text (above 18pt) WCAG AA × Fail

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 237, 231, 246 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

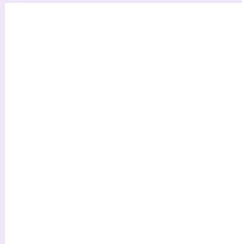
Any Text WCAG AAA ✓ Pass

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

RYB 237, 231, 246 Background



This preview shows how black text looks on a background with the RYB color 237, 231, 246.



This preview shows how white text looks on a background with the RYB color 237, 231, 246.

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
237, 231, 246

Protanopia
234, 232, 247

Deuteranopia
250, 227, 247



Tritanopia
237, 231, 249

Trichromacy



Original Color

237, 231, 246

Protanomaly

235, 232, 247

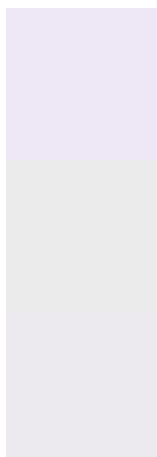
Deuteranomaly

245, 228, 247

Tritanomaly

237, 231, 248

Monochromacy



Original Color

237, 231, 246

Achromatopsia

235, 235, 235

Achromatomaly

236, 234, 239

CSS Examples

Text

The CSS property to change the color of the text to RYB 237, 231, 246 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(237, 231, 246) looks like.

```
.text, #text, p{  
    color:rgb(237, 231, 246)  
}
```

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(237, 231, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 231, 246) }
```

Border

The CSS property to change the border of an element to RYB 237, 231, 246 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(237, 231, 246) }
```

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

```
.border{ border-color:rgb(237, 231, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 231, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 231, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 231, 246);  
box-shadow:4px 4px 4px 4px rgb(237, 231,  
246) }
```

Background

The CSS property to change the background color of an element to RYB 237, 231, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 231, 246) }
```

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

```
.background{ background-color: rgb(237,  
231, 246) }
```

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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