

Converting Colors

`RYB(231, 227, 246)`

Have a look what the booklet for
RYB(231, 227, 246) contains.

RYB(231, 227, 246)	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(231, 227, 246)

Conversions

Conversions Part 1

Format	Color
Hex	E7E3F6
RGB	231, 227, 246
RGB Percent	91%, 89%, 96%
CMY	0.0941, 0.1098, 0.0353
CMYK	0.06, 0.08, 0.00, 0.04
HSL	253°, 51%, 93%
HSV	253°, 8%, 96%
XYZ	77.0586, 78.5809, 98.2950
YIQ	230.3620, -3.7150, 6.7570

Conversions

Conversions Part 2

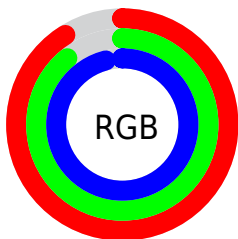
Format	Color
R _Y B	231, 227, 246
Decimal	15197174
CIE Lab	91.04, 4.83, -8.74
CIE LCh	91, 9.982, 298.935
Yxy	78.5809, 0.3035, 0.3095
Android (android.graphics.Color)	4293387254 (0xFFE7E3F6)
YUV	230.3620, 7.7095, 0.5595
Hunter-Lab	88.6459, 0.0373, -3.6916

Details

The RYB color **231, 227, 246** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **227, 246, 231**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is 255, 255, 255, and **175, 172, 190** is the 20% darker color. If you saturate the color by 10%, you get **212, 202, 246**, and if you desaturate by 10%, it is 246, 252, 248.

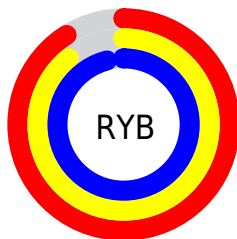
Distribution



Red (91%)

Green (89%)

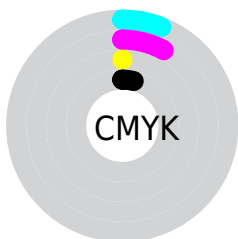
Blue (96%)



Red (91%)

Yellow (89%)

Blue (96%)

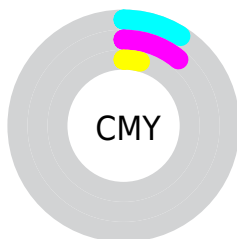


Cyan (6%)

Magenta (8%)

Yellow (0%)

Black (4%)



Cyan (9%)

Magenta (11%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 227, 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 231, 227, 246 by changing the saturation by 10% instead.

■ 231, 227, 246

255, 255, 255

■ 231, 227, 246

■ 203, 199, 218

■ 175, 172, 190

■ 149, 145, 163

■ 123, 120, 136

■ 98, 95, 111

■ 74, 71, 87

■ 51, 49, 63

■ 30, 28, 41


■ 6, 1, 21

 231, 227, 246

 231, 227, 246


 212, 202, 246


 246, 252, 248


 192, 178, 246

 246, 255, 246

 173, 153, 246


 153, 129, 246

 134, 104, 246

 114, 79, 246

 95, 55, 246

 76, 30, 246

 56, 6, 246

Harmonies

Analogous

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



219, 227, 248



231, 227, 246



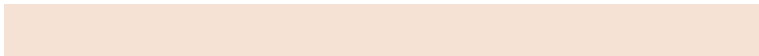
242, 224, 239

Triad

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



231, 227, 246



246, 232, 213



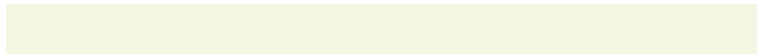
208, 223, 235

Complementary

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



231, 227, 246



227, 246, 231

Split Complementary

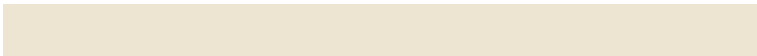
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



216, 231, 234



231, 227, 246



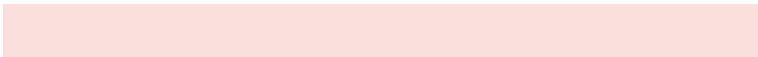
226, 238, 210

Square

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



231, 227, 246



250, 223, 220



213, 232, 218



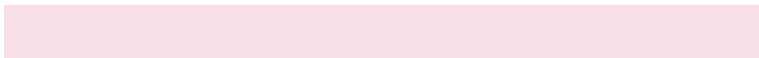
206, 221, 238

Rectangle

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



231, 227, 246



247, 223, 233



213, 232, 218



211, 226, 235

Sweetspot

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



231, 227, 246



251, 250, 255



227, 235, 246



125, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



231, 227, 246



237, 232, 255



240, 227, 246



113, 110, 122



39, 0, 186



12, 0, 59

Inverse Universe

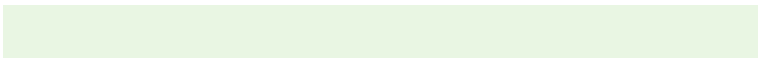
The Inverse Universe completely reimagines the original color for something new.



246, 227, 242



255, 232, 250



227, 246, 240



122, 110, 120



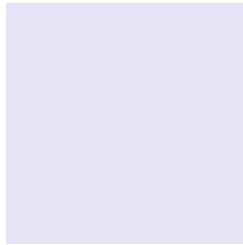
186, 0, 147



59, 0, 46

Previews

White Background



This preview shows how the RYB color 231, 227, 246 looks on a white background.

Color Contrast Check

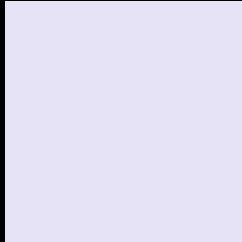
Large Text (above 18pt) WCAG AA × Fail

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 231, 227, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

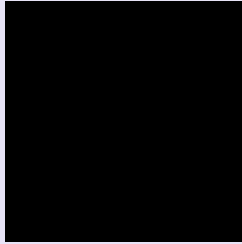
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

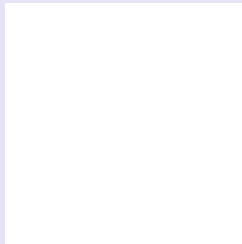
Any Text WCAG AAA ✓ Pass

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

RYB 231, 227, 246 Background



This preview shows how black text looks on a background with the RYB color 231, 227, 246.

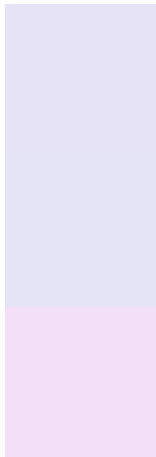


This preview shows how white text looks on a background with the RYB color 231, 227, 246.

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
231, 227, 246

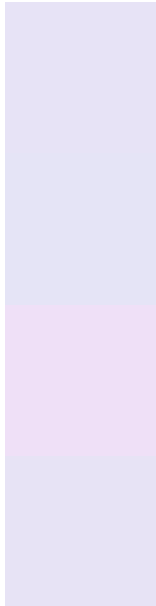
Protanopia
228, 228, 246

Deuteranopia
243, 223, 247



Tritanopia
231, 227, 245

Trichromacy



Original Color

231, 227, 246

Protanomaly

229, 228, 246

Deuteranomaly

239, 224, 247

Tritanomaly

231, 227, 245

Monochromacy



Original Color

231, 227, 246

Achromatopsia

230, 230, 230

Achromatomaly

230, 229, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 227, 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(231, 227, 246) looks like.

```
.text, #text, p{  
    color:rgb(231, 227, 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(231, 227, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 227, 246) }
```

Border

The CSS property to change the border of an element to RYB 231, 227, 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(231, 227, 246) }
```

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

```
.border{ border-color:rgb(231, 227, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 227, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 227, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 227, 246);  
box-shadow:4px 4px 4px 4px rgb(231, 227,  
246) }
```

Background

The CSS property to change the background color of an element to RYB 231, 227, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 227, 246) }
```

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

```
.background{ background-color: rgb(231,  
227, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor