

# Converting Colors

`RYB(227, 219, 251)`

Have a look what the booklet for RYB(227, 219, 251) contains.

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# Color

**R<sub>Y</sub>B(227, 219, 251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3DBFB
RGB	227, 219, 251
RGB Percent	89%, 86%, 98%
CMY	0.1098, 0.1412, 0.0157
CMYK	0.10, 0.13, 0.00, 0.02
HSL	255°, 80%, 92%
HSV	255°, 13%, 98%
XYZ	74.4227, 73.9590, 101.6198
YIQ	225.0400, -5.5040, 11.6480

# Conversions

## Conversions Part 2

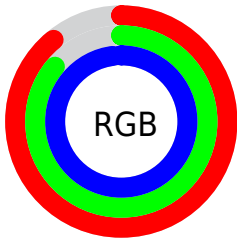
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 219, 251
Decimal	14932987
CIE <sub>Lab</sub>	88.90, 8.68, -14.58
CIE <sub>LCh</sub>	89, 16.971, 300.764
Yxy	73.9590, 0.2977, 0.2958
Android (android.graphics.Color)	4293123067 (0xFFE3DBFB)
YUV	225.0400, 12.7983, 1.7189
Hunter-Lab	85.9994, 3.9724, -9.8595

# Details

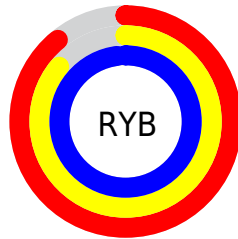
The RYB color `227, 219, 251` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `219, 251, 227`, and the grayscale version is `225, 225, 225`.

A 20% lighter version of the original color is `255, 255, 255`, and `172, 164, 194` is the 20% darker color. If you saturate the color by 10%, you get `208, 194, 251`, and if you desaturate by 10%, it is `246, 244, 251`.

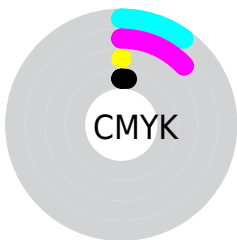
# Distribution



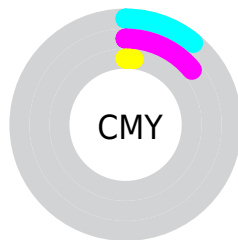
- Red (89%)
- Green (86%)
- Blue (98%)



- Red (89%)
- Yellow (86%)
- Blue (98%)



- Cyan (10%)
- Magenta (13%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (14%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 227, 219, 251 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 227, 219, 251 by changing the saturation by 10% instead.



■ 227, 219, 251

255, 255, 255

■ 227, 219, 251

■ 199, 191, 222

■ 172, 164, 194

■ 145, 138, 167

■ 119, 112, 141

■ 94, 88, 115

■ 70, 65, 91

■ 48, 43, 67

■ 26, 22, 45

■ 0, 0, 25

 227, 219, 251


 227, 219, 251


 208, 194, 251

 246, 244, 251


 189, 169, 251

 251, 255, 251

 171, 144, 251


 152, 119, 251

 133, 94, 251

 114, 68, 251

 95, 43, 251

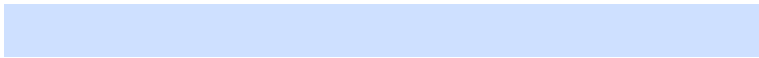
 76, 18, 251

 63, 0, 251

# Harmonies

## Analogous

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



206, 219, 255



227, 219, 251



245, 214, 239

# Triad

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



227, 219, 251



250, 230, 196



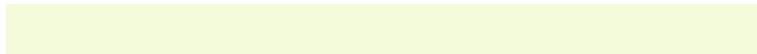
186, 212, 233

# Complementary

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



227, 219, 251



219, 251, 227

# Split Complementary

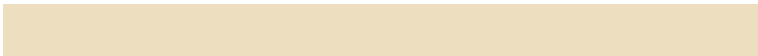
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



200, 225, 231



227, 219, 251



211, 236, 191

# Square

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



227, 219, 251



255, 214, 207



195, 227, 204



182, 209, 239

# Rectangle

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



227, 219, 251



253, 213, 229



195, 227, 204



190, 216, 233



# Sweetspot

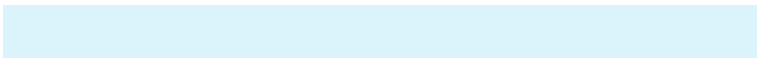
The Sweet Spot groups the original color and five complimentary colors.



227, 219, 251



247, 245, 255



219, 233, 251



123, 121, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



227, 219, 251



226, 217, 255



243, 219, 251



116, 112, 125



47, 0, 189



15, 0, 61



# Inverse Universe

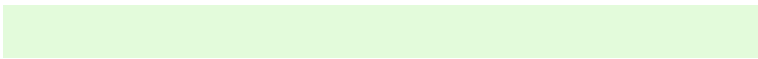
The Inverse Universe completely reimagines the original color for something new.



251, 219, 243



255, 217, 245



219, 251, 243



125, 112, 122



189, 0, 142

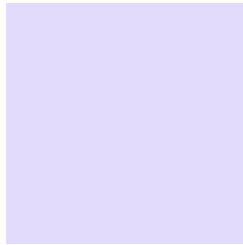


61, 0, 46



# Previews

## White Background



This preview shows how the RYB color 227, 219, 251 looks on a white background.

## Color Contrast Check

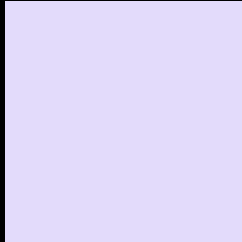
Large Text (above 18pt) WCAG AA × Fail

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 227, 219, 251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

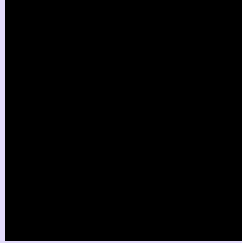
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 227, 219, 251 Background**



This preview shows how black text looks on a background with the RYB color 227, 219, 251.



This preview shows how white text looks on a background with the RYB color 227, 219, 251.

# 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**  
227, 219, 251

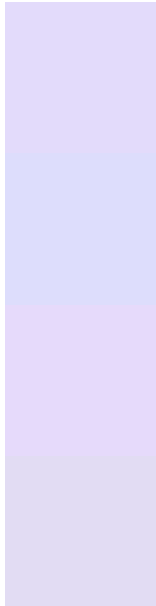
**Protanopia**  
218, 222, 253

**Deuteranopia**  
232, 217, 251



**Tritanopia**  
225, 221, 239

# Trichromacy



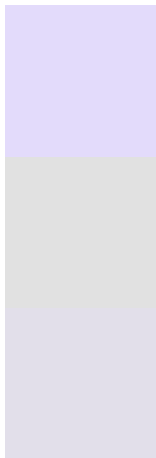
**Original Color**  
227, 219, 251

**Protanomaly**  
221, 221, 252

**Deuteranomaly**  
230, 218, 251

**Tritanomaly**  
226, 220, 243

# Monochromacy



**Original Color**  
227, 219, 251

**Achromatopsia**  
225, 225, 225

**Achromatomaly**  
226, 223, 234

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 227, 219, 251 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(227, 219, 251)` looks like.

```
.text, #text, p{  
    color:rgb(227, 219, 251)  
}
```

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(227, 219, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 219, 251) }
```

## Border

The CSS property to change the border of an element to RYB 227, 219, 251 is called "border". The border property can be set on classes, ids or directly on the HTML element.

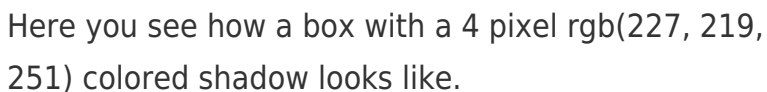
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 219, 251) }
```

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

```
.border{ border-color:rgb(227, 219, 251) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 219, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 219, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 219, 251); box-shadow:4px 4px 4px 4px rgb(227, 219, 251) }
```

# Background

The CSS property to change the background color of an element to RGB 227, 219, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 219, 251) }
```

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

```
.background{ background-color: rgb(227,  
219, 251) }
```

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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