

Converting Colors

`RYB(227, 221, 249)`

Have a look what the booklet for RYB(227, 221, 249) contains.

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Color

R_YB(227, 221, 249)

Conversions

Conversions Part 1

Format	Color
Hex	E3DDF9
RGB	227, 221, 249
RGB Percent	89%, 87%, 98%
CMY	0.1098, 0.1333, 0.0235
CMYK	0.09, 0.11, 0.00, 0.02
HSL	253°, 70%, 92%
HSV	253°, 11%, 98%
XYZ	74.6339, 74.8833, 100.1428
YIQ	225.9860, -5.4120, 9.9800

Conversions

Conversions Part 2

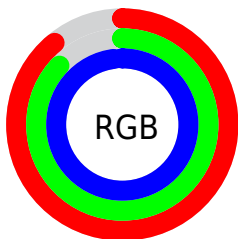
Format	Color
R _Y B	227, 221, 249
Decimal	14933497
CIE Lab	89.34, 7.24, -12.88
CIE LCh	89, 14.776, 299.341
Yxy	74.8833, 0.2989, 0.2999
Android (android.graphics.Color)	4293123577 (0xFFE3DDF9)
YUV	225.9860, 11.3459, 0.8893
Hunter-Lab	86.5352, 2.5142, -8.0387

Details

The RYB color **227, 221, 249** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **221, 249, 227**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **255, 255, 255**, and **172, 166, 193** is the 20% darker color. If you saturate the color by 10%, you get **207, 196, 249**, and if you desaturate by 10%, it is **247, 246, 249**.

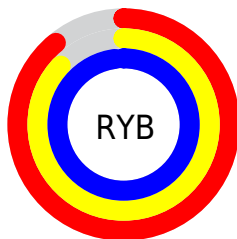
Distribution



Red (89%)

Green (87%)

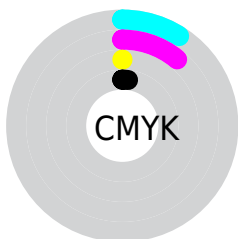
Blue (98%)



Red (89%)

Yellow (87%)

Blue (98%)

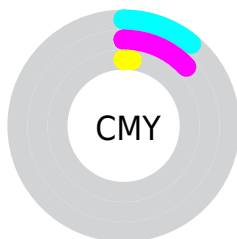


Cyan (9%)

Magenta (11%)

Yellow (0%)

Black (2%)



Cyan (11%)

Magenta (13%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 221, 249 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, 221, 249 by changing the saturation by 10% instead.

■ 227, 221, 249

255, 255, 255

■ 227, 221, 249

■ 199, 193, 220

■ 172, 166, 193

■ 145, 140, 165

■ 119, 114, 139

■ 94, 90, 114

■ 70, 66, 89


■ 48, 44, 66

■ 26, 24, 43


■ 0, 0, 23

 227, 221, 249


 227, 221, 249

 207, 196, 249

 247, 246, 249


 188, 171, 249

 249, 255, 249

 168, 146, 249


 149, 121, 249

 129, 97, 249

 110, 72, 249

 90, 47, 249

 70, 22, 249

 53, 0, 249

Harmonies

Analogous

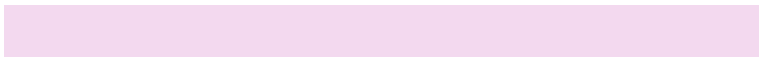
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



209, 221, 252



227, 221, 249



243, 217, 239

Triad

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



227, 221, 249



249, 230, 201



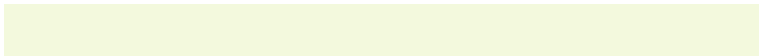
193, 216, 233

Complementary

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



227, 221, 249



221, 249, 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.



205, 227, 231



227, 221, 249



215, 236, 196

Square

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



227, 221, 249



255, 217, 211



200, 228, 207



189, 212, 238

Rectangle

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



227, 221, 249



250, 215, 230



200, 228, 207



196, 219, 233

Sweetspot

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



227, 221, 249



249, 247, 255



221, 233, 249



123, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



227, 221, 249



229, 222, 255



241, 221, 249



115, 112, 125



40, 0, 189



13, 0, 61

Inverse Universe

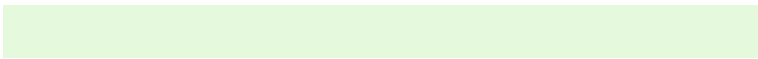
The Inverse Universe completely reimagines the original color for something new.



249, 221, 243



255, 222, 248



221, 249, 241



125, 112, 122



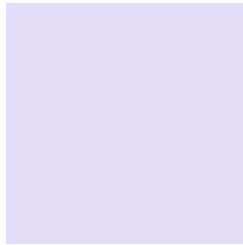
189, 0, 148



61, 0, 48

Previews

White Background



This preview shows how the RYB color 227, 221, 249 looks on a white background.

Color Contrast Check

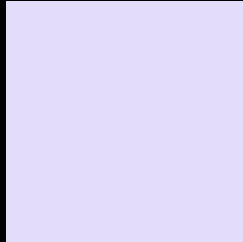
Large Text (above 18pt) WCAG AA × Fail

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, 221, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

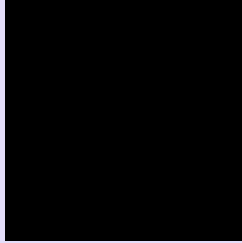
Any Text WCAG AA ✓ Pass

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, 221, 249 Background



This preview shows how black text looks on a background with the RYB color 227, 221, 249.

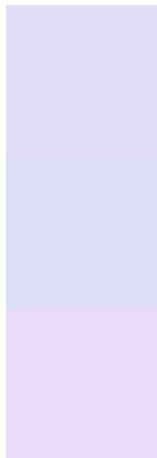


This preview shows how white text looks on a background with the RYB color 227, 221, 249.

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, 221, 249

Protanopia
221, 223, 250

Deuteranopia
235, 218, 250



Tritanopia

226, 222, 240

Trichromacy



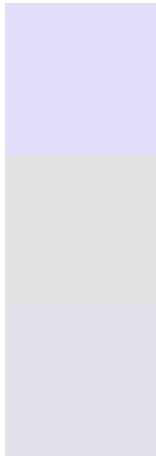
Original Color
227, 221, 249

Protanomaly
223, 222, 250

Deuteranomaly
232, 219, 250

Tritanomaly
226, 222, 243

Monochromacy



Original Color
227, 221, 249

Achromatopsia
226, 226, 226

Achromatomaly
226, 224, 234

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 221, 249 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, 221, 249)` looks like.

```
.text, #text, p{  
    color:rgb(227, 221, 249)  
}
```

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, 221, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 221, 249) }
```

Border

The CSS property to change the border of an element to RYB 227, 221, 249 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, 221, 249) }
```

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

```
.border{ border-color:rgb(227, 221, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 221, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 221, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 221, 249); box-shadow:4px 4px 4px 4px rgb(227, 221, 249) }
```

Background

The CSS property to change the background color of an element to RYB 227, 221, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 221, 249) }
```

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

```
.background{ background-color: rgb(227,  
221, 249) }
```

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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