

Converting Colors

`RYB(231, 221, 255)`

Have a look what the booklet for
RYB(231, 221, 255) contains.

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Color

R_YB(231, 221, 255)

Conversions

Conversions Part 1

Format	Color
Hex	E7DDFF
RGB	231, 221, 255
RGB Percent	91%, 87%, 100%
CMY	0.0941, 0.1333, 0.0000
CMYK	0.09, 0.13, 0.00, 0.00
HSL	258°, 100%, 93%
HSV	258°, 13%, 100%
XYZ	76.8614, 75.9218, 105.2111
YIQ	227.8660, -4.9540, 12.6940

Conversions

Conversions Part 2

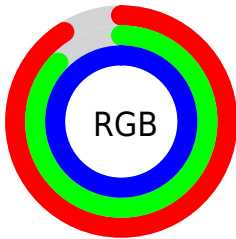
Format	Color
R _Y B	231, 221, 255
Decimal	15195647
CIE Lab	89.82, 9.70, -15.27
CIE LCh	90, 18.090, 302.409
Yxy	75.9218, 0.2979, 0.2943
Android (android.graphics.Color)	4293385727 (0xFFE7DDFF)
YUV	227.8660, 13.3771, 2.7485
Hunter-Lab	87.1331, 4.9746, -10.5980

Details

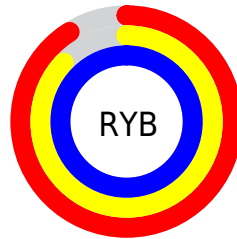
The RYB color **231, 221, 255** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **221, 255, 231**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is **255, 255, 255**, and **175, 166, 198** is the 20% darker color. If you saturate the color by 10%, you get **213, 196, 255**, and if you desaturate by 10%, it is **249, 247, 255**.

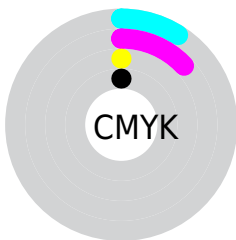
Distribution



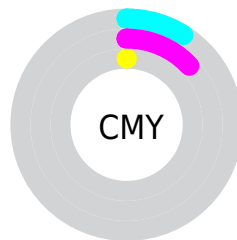
- Red (91%)
- Green (87%)
- Blue (100%)



- Red (91%)
- Yellow (87%)
- Blue (100%)



- Cyan (9%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 221, 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 231, 221, 255 by changing the saturation by 10% instead.

■ 231, 221, 255

255, 255, 255

■ 231, 221, 255

■ 203, 193, 226

■ 175, 166, 198

■ 149, 140, 171

■ 123, 114, 144

■ 98, 90, 119

■ 74, 66, 94

■ 51, 44, 70

■ 29, 24, 48

■ 6, 0, 27

231, 221, 255

231, 221, 255

213, 196, 255

249, 247, 255

195, 170, 255

255, 255, 255

177, 145, 255

159, 119, 255

141, 94, 255

123, 68, 255

105, 43, 255

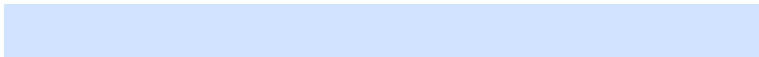
87, 17, 255

75, 0, 255

Harmonies

Analogous

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



209, 222, 255



231, 221, 255



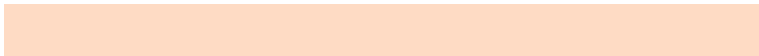
250, 216, 242

Triad

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



231, 221, 255



254, 234, 196



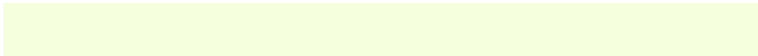
185, 213, 236

Complementary

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



231, 221, 255



221, 255, 231

Split Complementary

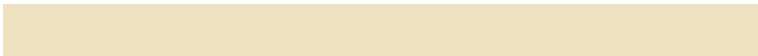
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



200, 227, 234



231, 221, 255



210, 238, 192

Square

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



231, 221, 255



255, 216, 208



196, 230, 207



181, 210, 244

Rectangle

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



231, 221, 255



255, 214, 231



196, 230, 207



189, 217, 236

Sweetspot

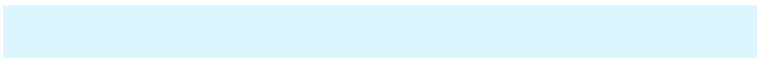
The Sweet Spot groups the original color and five complimentary colors.



231, 221, 255



248, 245, 255



221, 235, 255



123, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



231, 221, 255



226, 214, 255



248, 221, 255



118, 115, 128



56, 0, 191



19, 0, 64

Inverse Universe

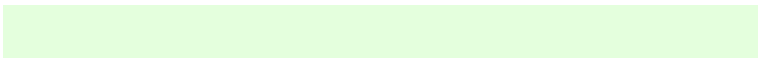
The Inverse Universe completely reimagines the original color for something new.



255, 221, 245



255, 214, 243



221, 255, 248



128, 115, 124



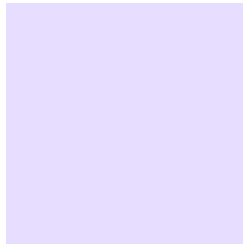
191, 0, 135



64, 0, 45

Previews

White Background



This preview shows how the RYB color 231, 221, 255 looks on a white background.

Color Contrast Check

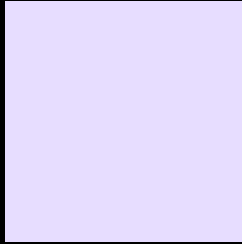
Large Text (above 18pt) WCAG AA × Fail

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 231, 221, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

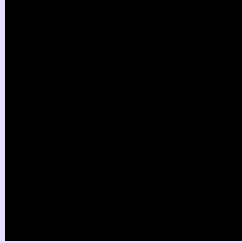
Any Text WCAG AA ✓ Pass

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 231, 221, 255 Background



This preview shows how black text looks on a background with the RYB color 231, 221, 255.

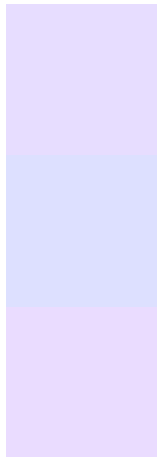


This preview shows how white text looks on a background with the RYB color 231, 221, 255.

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
231, 221, 255

Protanopia
221, 224, 255

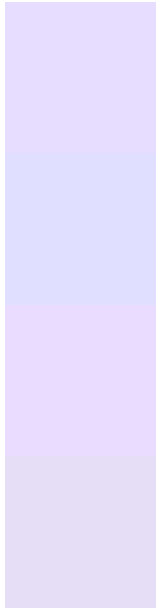
Deuteranopia
234, 220, 255



Tritanopia

229, 223, 241

Trichromacy



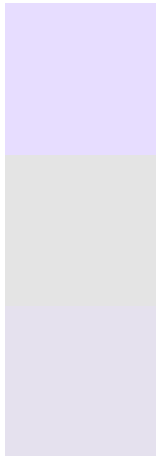
Original Color
231, 221, 255

Protanomaly
225, 223, 255

Deuteranomaly
233, 220, 255

Tritanomaly
230, 222, 246

Monochromacy



Original Color
231, 221, 255

Achromatopsia
228, 228, 228

Achromatomaly
229, 225, 238

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 221, 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(231, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 221, 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(231, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 221, 255) }
```

Border

The CSS property to change the border of an element to RYB 231, 221, 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(231, 221, 255) }
```

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

```
.border{ border-color:rgb(231, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 221,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 231, 221, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 221, 255) }
```

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

```
.background{ background-color: rgb(231,  
221, 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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