

Converting Colors

`RYB(221, 219, 237)`

Have a look what the booklet for RYB(221, 219, 237) contains.

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Color

R_YB(221, 219, 237)

Conversions

Conversions Part 1

Format	Color
Hex	DDDBED
RGB	221, 219, 237
RGB Percent	87%, 86%, 93%
CMY	0.1333, 0.1412, 0.0706
CMYK	0.07, 0.08, 0.00, 0.07
HSL	247°, 33%, 89%
HSV	247°, 8%, 93%
XYZ	70.4364, 72.1496, 90.3346
YIQ	221.6500, -4.5860, 6.0220

Conversions

Conversions Part 2

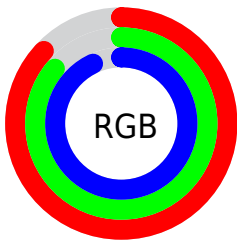
Format	Color
R _Y B	221, 219, 237
Decimal	14539757
CIE Lab	88.04, 4.02, -8.55
CIE LCh	88, 9.447, 295.179
Yxy	72.1496, 0.3024, 0.3098
Android (android.graphics.Color)	4292729837 (0xFFDDDBED)
YUV	221.6500, 7.5675, -0.5701
Hunter-Lab	84.9409, -0.6274, -3.5962

Details

The RYB color **221, 219, 237** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **219, 237, 221**, and the grayscale version is **222, 222, 222**.

A 20% lighter version of the original color is **255, 255, 255**, and **166, 164, 181** is the 20% darker color. If you saturate the color by 10%, you get **200, 195, 237**, and if you desaturate by 10%, it is **237, 243, 238**.

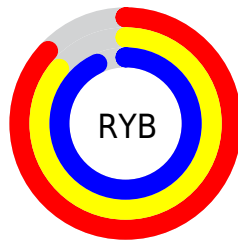
Distribution



Red (87%)

Green (86%)

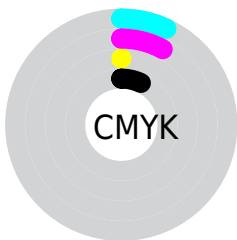
Blue (93%)



Red (87%)

Yellow (86%)

Blue (93%)

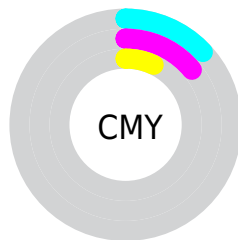


Cyan (7%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (14%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 221, 219, 237 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 221, 219, 237 by changing the saturation by 10% instead.

■ 221, 219, 237

255, 255, 255

■ 221, 219, 237

■ 193, 191, 209

■ 166, 164, 181

■ 140, 138, 154

■ 114, 112, 128

■ 89, 88, 103

■ 66, 65, 79

■ 44, 43, 56

■ 23, 22, 35

■ 0, 0, 12

■ 221, 219, 237

■ 221, 219, 237

■ 200, 195, 237

■ 237, 243, 238

■ 179, 172, 237

■ 237, 255, 237

■ 158, 148, 237

■ 137, 124, 237

■ 116, 100, 237

■ 95, 77, 237

■ 74, 53, 237

■ 52, 29, 237

■ 31, 6, 237

Harmonies

Analogous

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



210, 218, 238



221, 219, 237



231, 216, 231

Triad

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



221, 219, 237



238, 223, 206



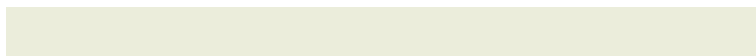
202, 216, 226

Complementary

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



221, 219, 237



219, 237, 221

Split Complementary

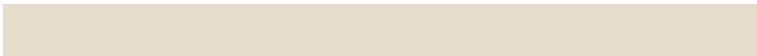
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



210, 225, 225



221, 219, 237



219, 230, 203

Square

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



221, 219, 237



241, 215, 214



205, 223, 208



199, 213, 228

Rectangle

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



221, 219, 237



237, 215, 226



205, 223, 208



204, 218, 226

Sweetspot

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



221, 219, 237



250, 250, 255



219, 227, 237



125, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



221, 219, 237



235, 232, 255



230, 219, 237



107, 106, 117



20, 0, 181



6, 0, 54

Inverse Universe

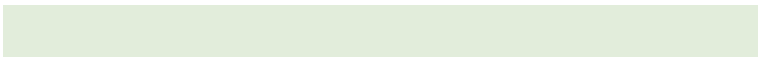
The Inverse Universe completely reimagines the original color for something new.



237, 219, 235



255, 232, 252



219, 237, 230



117, 106, 116



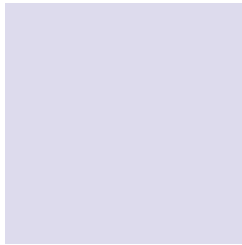
181, 0, 161



54, 0, 48

Previews

White Background



This preview shows how the RYB color 221, 219, 237 looks on a white background.

Color Contrast Check

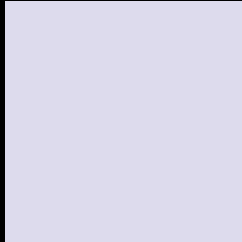
Large Text (above 18pt) WCAG AA × Fail

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 221, 219, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

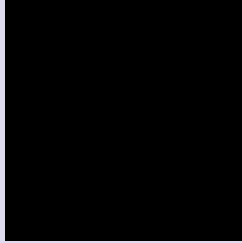
Any Text WCAG AA ✓ Pass

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 221, 219, 237 Background



This preview shows how black text looks on a background with the RYB color 221, 219, 237.

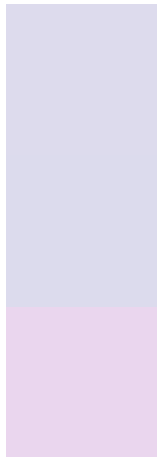


This preview shows how white text looks on a background with the RYB color 221, 219, 237.

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
221, 219, 237

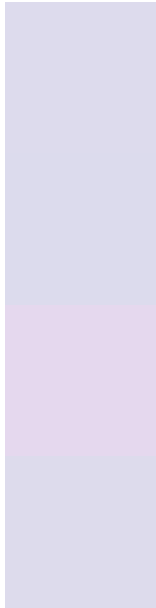
Protanopia
220, 219, 237

Deuteranopia
234, 214, 238



Tritanopia
221, 219, 236

Trichromacy



Original Color
221, 219, 237

Protanomaly
220, 219, 237

Deuteranomaly
229, 216, 238

Tritanomaly
221, 219, 236

Monochromacy



Original Color
221, 219, 237

Achromatopsia
222, 222, 222

Achromatomaly
222, 221, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 221, 219, 237 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(221, 219, 237) looks like.

```
.text, #text, p{  
    color:rgb(221, 219, 237)  
}
```

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(221, 219, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 219, 237) }
```

Border

The CSS property to change the border of an element to RYB 221, 219, 237 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(221, 219, 237) }
```

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

```
.border{ border-color:rgb(221, 219, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 219, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 219, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 219, 237);  
box-shadow:4px 4px 4px 4px rgb(221, 219,  
237) }
```

Background

The CSS property to change the background color of an element to RYB 221, 219, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 219, 237) }
```

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

```
.background{ background-color: rgb(221,  
219, 237) }
```

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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