

# Converting Colors

`RYB(216, 216, 237)`

Have a look what the booklet for RYB(216, 216, 237) contains.

<b>RYB(216, 216, 237)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(216, 216, 237)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8D8ED
RGB	216, 216, 237
RGB Percent	85%, 85%, 93%
CMY	0.1529, 0.1529, 0.0706
CMYK	0.09, 0.09, 0.00, 0.07
HSL	240°, 37%, 89%
HSV	240°, 9%, 93%
XYZ	68.1608, 69.8251, 90.0059
YIQ	218.3940, -6.7410, 6.5310

# Conversions

## Conversions Part 2

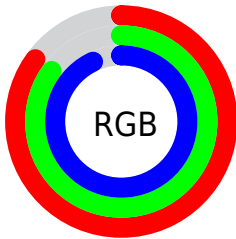
Format	Color
R <sub>YB</sub>	216, 216, 237
Decimal	14211309
CIE Lab	86.91, 3.96, -10.27
CIE LCh	87, 11.006, 291.098
Yxy	69.8251, 0.2990, 0.3063
Android (android.graphics.Color)	4292401389 (0xFFD8D8ED)
YUV	218.3940, 9.1728, -2.0995
Hunter-Lab	83.5614, -0.6305, -5.3696

# Details

The RYB color `216, 216, 237` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `216, 237, 216`, and the grayscale version is `218, 218, 218`.

A 20% lighter version of the original color is `255, 255, 255`, and `161, 161, 181` is the 20% darker color. If you saturate the color by 10%, you get `192, 192, 237`, and if you desaturate by 10%, it is `237, 240, 237`.

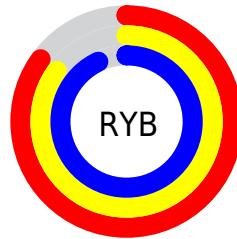
# Distribution



Red (85%)

Green (85%)

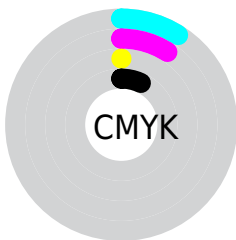
Blue (93%)



Red (85%)

Yellow (85%)

Blue (93%)

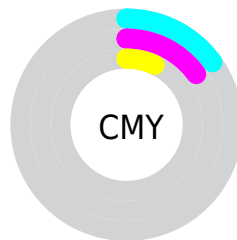


Cyan (9%)

Magenta (9%)

Yellow (0%)

Black (7%)



Cyan (15%)

Magenta (15%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 216, 216, 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 216, 216, 237 by changing the saturation by 10% instead.



■ 216, 216, 237

255, 255, 255

■ 216, 216, 237

■ 188, 188, 209

■ 161, 161, 181

■ 135, 135, 154

■ 109, 110, 128

■ 85, 85, 103

■ 62, 62, 79

■ 40, 41, 56

■ 19, 20, 35

■ 0, 0, 12

■ 216, 216, 237

■ 216, 216, 237

■ 192, 192, 237

■ 237, 240, 237

■ 169, 169, 237

■ 237, 255, 237

■ 145, 145, 237

■ 121, 121, 237

■ 97, 97, 237

■ 74, 74, 237

■ 50, 50, 237

■ 26, 26, 237

■ 3, 3, 237

# Harmonies

## Analogous

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



203, 214, 238



216, 216, 237



228, 213, 231

# Triad

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



216, 216, 237



238, 218, 202



196, 213, 224

# Complementary

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



216, 216, 237



216, 237, 216

# 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.



204, 222, 220



216, 216, 237



221, 230, 197

# Square

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



216, 216, 237



241, 211, 211



198, 219, 199



192, 208, 225

# Rectangle

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



216, 216, 237



235, 211, 225



198, 219, 199



199, 215, 223



# Sweetspot

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



216, 216, 237



247, 247, 255



216, 227, 237



122, 122, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



216, 216, 237



227, 227, 255



227, 216, 237



106, 106, 117



0, 0, 181



0, 0, 54



# Inverse Universe

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



237, 216, 237



255, 227, 255



216, 237, 226



117, 106, 117



181, 0, 181

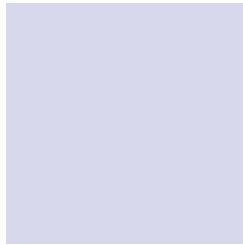


54, 0, 54



# Previews

## White Background



This preview shows how the RYB color 216, 216, 237 looks on a white background.

## Color Contrast Check

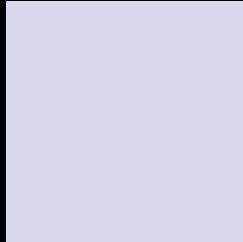
Large Text (above 18pt) WCAG AA × Fail

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 216, 216, 237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

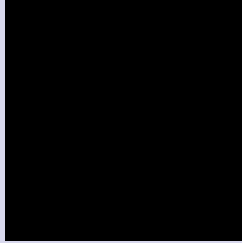
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

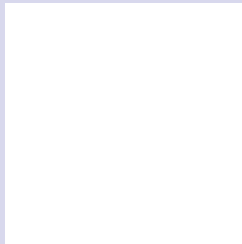
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R Y B 216, 216, 237 Background



This preview shows how black text looks on a background with the R Y B color 216, 216, 237.

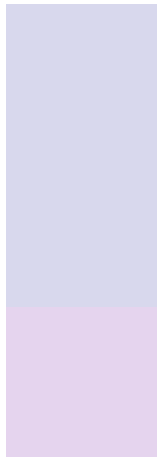


This preview shows how white text looks on a background with the R Y B color 216, 216, 237.

# 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**  
216, 216, 237

**Protanopia**  
216, 216, 237

**Deuteranopia**  
229, 212, 238



**Tritanopia**  
215, 217, 234

# Trichromacy



**Original Color**  
216, 216, 237

**Protanomaly**  
216, 216, 237

**Deuteranomaly**  
224, 213, 238

**Tritanomaly**  
215, 217, 235

# Monochromacy



**Original Color**  
216, 216, 237

**Achromatopsia**  
218, 218, 218

**Achromatomaly**  
217, 217, 225

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 216, 216, 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(216, 216, 237) looks like.

```
.text, #text, p{  
    color:rgb(216, 216, 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(216, 216, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 216, 237) }
```

## Border

The CSS property to change the border of an element to RYB 216, 216, 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(216, 216, 237) }
```

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

```
.border{ border-color:rgb(216, 216, 237) }
```

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

Here you see how a box with a 4 pixel rgb(216, 216, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 216, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 216, 237);  
box-shadow:4px 4px 4px 4px rgb(216, 216,  
237) }
```

# Background

The CSS property to change the background color of an element to RYB 216, 216, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 216, 237) }
```

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

```
.background{ background-color: rgb(216,  
216, 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](#).



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