

Converting Colors

`RYB(216, 219, 238)`

Have a look what the booklet for RYB(216, 219, 238) contains.

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Color

R_YB(216, 219, 238)

Conversions

Conversions Part 1

Format	Color
Hex	D8DBEE
RGB	216, 219, 238
RGB Percent	85%, 86%, 93%
CMY	0.1529, 0.1393, 0.0667
CMYK	0.09, 0.08, 0.00, 0.07
HSL	231°, 39%, 89%
HSV	231°, 9%, 93%
XYZ	69.2068, 71.6825, 91.0774
YIQ	220.2690, -7.8870, 5.2730

Conversions

Conversions Part 2

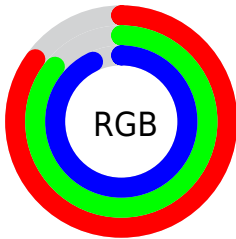
Format	Color
R _Y B	216, 219, 238
Decimal	14212078
CIE Lab	87.82, 2.34, -9.45
CIE LCh	88, 9.736, 283.910
Yxy	71.6825, 0.2983, 0.3090
Android (android.graphics.Color)	4292402158 (0xFFD8DBEE)
YUV	220.2690, 8.7414, -3.7439
Hunter-Lab	84.6655, -2.2563, -4.5143

Details

The RYB color **216, 219, 238** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **219, 238, 216**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **255, 255, 255**, and **161, 164, 182** is the 20% darker color. If you saturate the color by 10%, you get **192, 198, 238**, and if you desaturate by 10%, it is **238, 240, 238**.

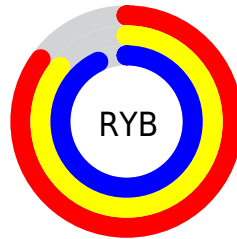
Distribution



Red (85%)

Green (86%)

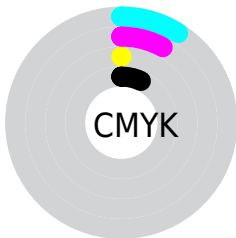
Blue (93%)



Red (85%)

Yellow (86%)

Blue (93%)

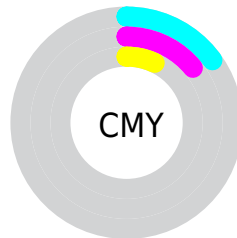


Cyan (9%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (15%)

Magenta (14%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 219, 238 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, 219, 238 by changing the saturation by 10% instead.

■ 216, 219, 238

255, 255, 255

■ 216, 219, 238

■ 188, 191, 210

■ 161, 164, 182

■ 135, 138, 155

■ 109, 112, 129

■ 85, 88, 104

■ 62, 65, 80

■ 40, 43, 57

■ 19, 22, 36

■ 0, 1, 13

■ 216, 219, 238

■ 216, 219, 238

■ 192, 198, 238

■ 238, 240, 238

■ 168, 178, 238

■ 238, 255, 238

■ 145, 157, 238

■ 121, 137, 238

■ 97, 116, 238

■ 73, 95, 238

■ 49, 75, 238

■ 26, 55, 238

■ 2, 34, 238

Harmonies

Analogous

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



205, 216, 238



216, 219, 238



227, 217, 234

Triad

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



216, 219, 238



239, 217, 208



203, 217, 225

Complementary

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



216, 219, 238



219, 238, 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.



207, 224, 218



216, 219, 238



233, 233, 203

Square

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



216, 219, 238



240, 214, 216



204, 223, 202



198, 213, 226

Rectangle

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



216, 219, 238



234, 215, 228



204, 223, 202



206, 220, 225

Sweetspot

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



216, 219, 238



247, 249, 255



216, 228, 238



122, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



216, 219, 238



227, 231, 255



223, 216, 238



108, 110, 120



0, 25, 184



0, 8, 56

Inverse Universe

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



238, 216, 219



255, 227, 231



216, 238, 223



120, 108, 110



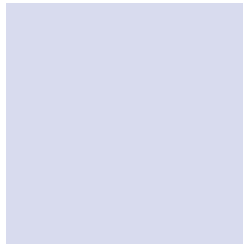
184, 0, 29



56, 0, 9

Previews

White Background



This preview shows how the RYB color 216, 219, 238 looks on a white background.

Color Contrast Check

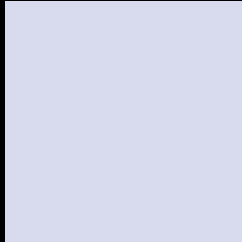
Large Text (above 18pt) WCAG AA × Fail

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, 219, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

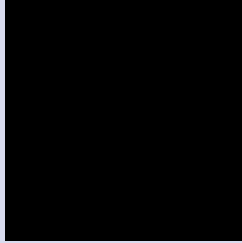
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

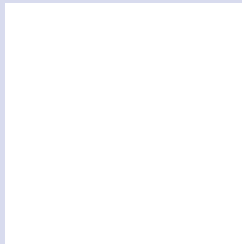
Any Text WCAG AAA ✓ Pass

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

RYB 216, 219, 238 Background



This preview shows how black text looks on a background with the RYB color 216, 219, 238.

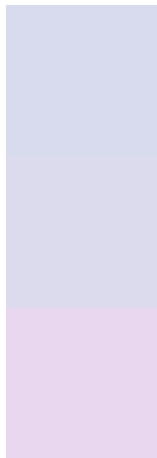


This preview shows how white text looks on a background with the RYB color 216, 219, 238.

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, 219, 238

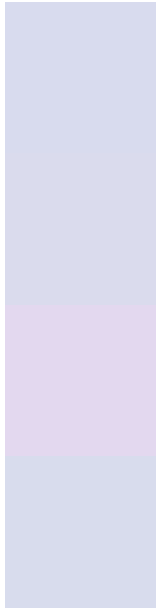
Protanopia
219, 219, 237

Deuteranopia
233, 214, 239



Tritanopia
216, 219, 237

Trichromacy



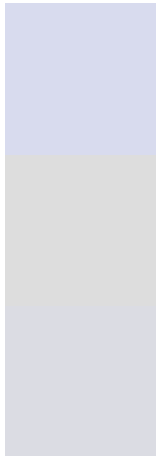
Original Color
216, 219, 238

Protanomaly
218, 219, 237

Deuteranomaly
227, 216, 239

Tritanomaly
216, 219, 237

Monochromacy



Original Color
216, 219, 238

Achromatopsia
221, 221, 221

Achromatomaly
219, 220, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 219, 238 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, 219, 238) looks like.

```
.text, #text, p{  
    color:rgb(216, 219, 238)  
}
```

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, 219, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 219, 238) }
```

Border

The CSS property to change the border of an element to RYB 216, 219, 238 is called "border". The border property can be set on classes, ids or directly on the HTML element.

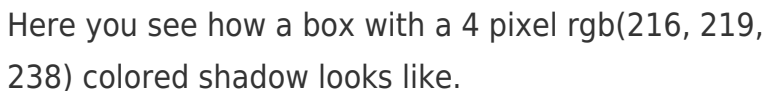
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 219, 238) }
```

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

```
.border{ border-color:rgb(216, 219, 238) }
```

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



Here you see how a box with a 4 pixel rgb(216, 219, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 219, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 219, 238);  
box-shadow:4px 4px 4px 4px rgb(216, 219,  
238) }
```

Background

The CSS property to change the background color of an element to RGB 216, 219, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 219, 238) }
```

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

```
.background{ background-color: rgb(216,  
219, 238) }
```

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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