

Converting Colors

`RYB(212, 219, 236)`

Have a look what the booklet for
RYB(212, 219, 236) contains.

RYB(212, 219, 236)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(212, 219, 236)

Conversions

Conversions Part 1

Format	Color
Hex	D4DEEC
RGB	212, 222, 236
RGB Percent	83%, 87%, 93%
CMY	0.1686, 0.1299, 0.0745
CMYK	0.10, 0.06, 0.00, 0.07
HSL	215°, 39%, 88%
HSV	215°, 10%, 93%
XYZ	68.3817, 72.2333, 89.6952
YIQ	220.6060, -10.4540, 2.2340

Conversions

Conversions Part 2

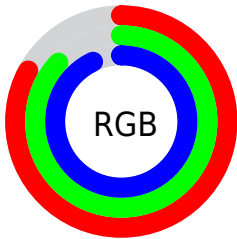
Format	Color
R _Y B	212, 219, 236
Decimal	13950700
CIE Lab	88.08, -0.60, -8.04
CIE LCh	88, 8.058, 265.750
Yxy	72.2333, 0.2969, 0.3136
Android (android.graphics.Color)	4292140780 (0xFFD4DEEC)
YUV	220.6060, 7.5892, -7.5475
Hunter-Lab	84.9901, -5.1145, -3.0792

Details

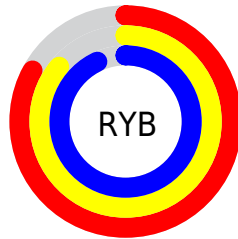
The RYB color **212, 219, 236** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **229, 236, 212**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **255, 255, 255**, and **157, 164, 180** is the 20% darker color. If you saturate the color by 10%, you get **188, 202, 236**, and if you desaturate by 10%, it is **236, 236, 236**.

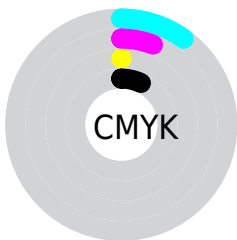
Distribution



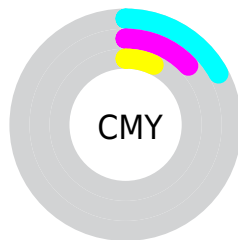
- Red (83%)
- Green (87%)
- Blue (93%)



- Red (83%)
- Yellow (86%)
- Blue (93%)



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)



- Cyan (17%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 219, 236 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 212, 219, 236 by changing the saturation by 10% instead.

■ 212, 219, 236

255, 255, 255

■ 212, 219, 236

■ 184, 191, 208

■ 157, 164, 180

■ 131, 137, 153

■ 106, 112, 127

■ 82, 88, 102

■ 58, 64, 78

■ 36, 42, 56

■ 16, 22, 34

■ 0, 0, 11

 212, 219, 236

 212, 219, 236

 188, 202, 236


 236, 236, 236


 165, 186, 236


 243, 255, 236


 141, 169, 236

 236, 255, 236

 118, 152, 236

 94, 135, 236

 70, 119, 236

 47, 102, 236

 23, 85, 236

 0, 69, 236

Harmonies

Analogous

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



205, 216, 233



212, 219, 236



221, 219, 235

Triad

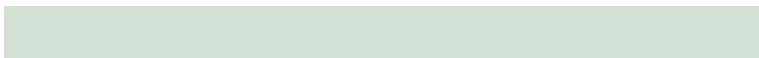
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



212, 219, 236



238, 216, 215



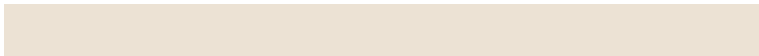
211, 223, 224

Complementary

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



212, 219, 236



229, 236, 212

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, 222, 209



212, 219, 236



235, 223, 209

Square

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



212, 219, 236



236, 216, 222



221, 229, 206



205, 218, 226

Rectangle

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



212, 219, 236



227, 218, 232



221, 229, 206



210, 224, 220

Sweetspot

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



212, 219, 236



247, 250, 255



212, 227, 236



122, 124, 128



0, 0, 0



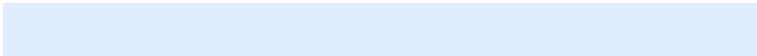
128, 128, 128

Same Dimension

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



212, 219, 236



224, 233, 255



214, 212, 236



106, 109, 117



0, 53, 181



0, 16, 54

Inverse Universe

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



236, 212, 222



255, 224, 237



212, 236, 214



117, 106, 110



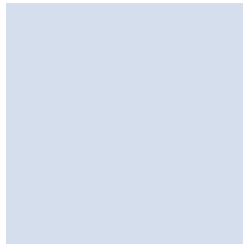
181, 0, 75



54, 0, 22

Previews

White Background



This preview shows how the RYB color 212, 219, 236 looks on a white background.

Color Contrast Check

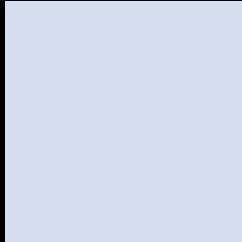
Large Text (above 18pt) WCAG AA × Fail

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 212, 219, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

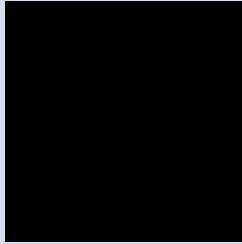
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

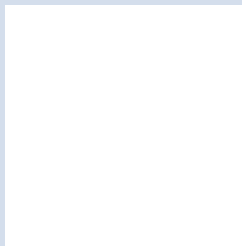
Any Text WCAG AAA ✓ Pass

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

RYB 212, 219, 236 Background



This preview shows how black text looks on a background with the RYB color 212, 219, 236.



This preview shows how white text looks on a background with the RYB color 212, 219, 236.

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](#).

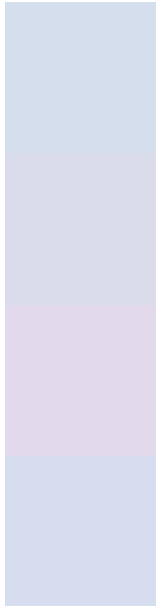
Dichromacy





Tritanopia
213, 219, 239

Trichromacy



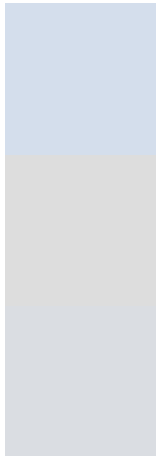
Original Color
212, 219, 236

Protanomaly
218, 220, 235

Deuteranomaly
227, 217, 237

Tritanomaly
213, 219, 238

Monochromacy



Original Color
212, 219, 236

Achromatopsia
221, 221, 221

Achromatomaly
218, 220, 226

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 219, 236 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(212, 222, 236)` looks like.

```
.text, #text, p{  
    color:rgb(212, 222, 236)  
}
```

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(212, 222, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 222, 236) }
```

Border

The CSS property to change the border of an element to RYB 212, 219, 236 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(212, 222, 236) }
```

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

```
.border{ border-color:rgb(212, 222, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 222, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 222, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 222, 236);  
box-shadow:4px 4px 4px 4px rgb(212, 222,  
236) }
```

Background

The CSS property to change the background color of an element to RYB 212, 219, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 222, 236) }
```

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

```
.background{ background-color: rgb(212,  
222, 236) }
```

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