

Converting Colors

`RYB(215, 222, 236)`

Have a look what the booklet for
RYB(215, 222, 236) contains.

RYB(215, 222, 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(215, 222, 236)

Conversions

Conversions Part 1

Format	Color
Hex	D7E2EC
RGB	215, 226, 236
RGB Percent	84%, 89%, 93%
CMY	0.1569, 0.1157, 0.0745
CMYK	0.09, 0.04, 0.00, 0.07
HSL	210°, 36%, 88%
HSV	210°, 9%, 93%
XYZ	70.2252, 74.6244, 90.0596
YIQ	223.8510, -9.7660, 0.7780

Conversions

Conversions Part 2

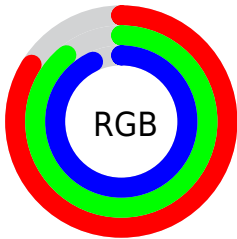
Format	Color
R _Y B	215, 222, 236
Decimal	14148332
CIE Lab	89.22, -1.50, -6.33
CIE LCh	89, 6.506, 256.641
Yxy	74.6244, 0.2989, 0.3177
Android (android.graphics.Color)	4292338412 (0xFFD7E2EC)
YUV	223.8510, 5.9895, -7.7623
Hunter-Lab	86.3854, -6.0665, -1.3420

Details

The RYB color **215, 222, 236** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **234, 236, 215**, and the grayscale version is **224, 224, 224**.

A 20% lighter version of the original color is **255, 255, 255**, and **160, 167, 180** is the 20% darker color. If you saturate the color by 10%, you get **191, 206, 236**, and if you desaturate by 10%, it is **239, 238, 236**.

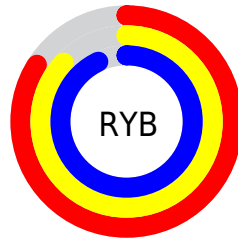
Distribution



Red (84%)

Green (89%)

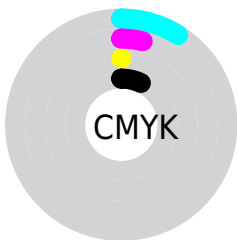
Blue (93%)



Red (84%)

Yellow (87%)

Blue (93%)

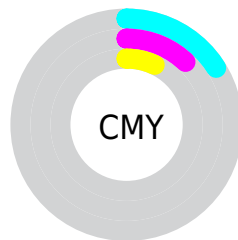


Cyan (9%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (16%)

Magenta (12%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 215, 222, 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 215, 222, 236 by changing the saturation by 10% instead.

■ 215, 222, 236

255, 255, 255

■ 215, 222, 236

■ 187, 194, 208

■ 160, 167, 180

■ 134, 141, 153

■ 109, 115, 128

■ 84, 90, 102

■ 61, 67, 78


■ 39, 45, 56

■ 18, 24, 34

■ 0, 0, 12

 215, 222, 236


 215, 222, 236

 191, 206, 236


 239, 238, 236


 168, 191, 236


 245, 255, 236


 144, 175, 236

 236, 255, 236


 121, 159, 236

 97, 143, 236

 73, 128, 236

 50, 112, 236

 26, 96, 236

 3, 80, 236

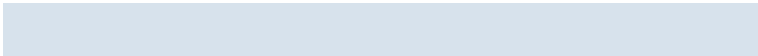
Harmonies

Analogous

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



210, 220, 233



215, 222, 236



222, 223, 236

Triad

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



215, 222, 236



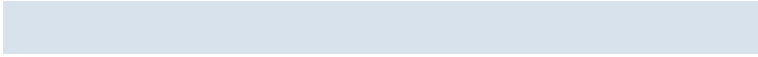
238, 220, 221



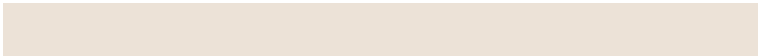
215, 227, 224

Complementary

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



215, 222, 236



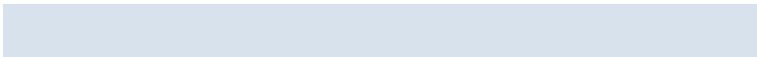
234, 236, 215

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.



213, 226, 212



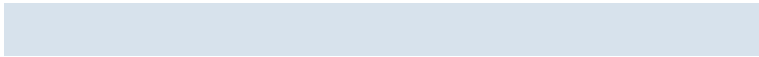
215, 222, 236



237, 223, 215

Square

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



215, 222, 236



235, 220, 227



228, 232, 212



212, 222, 228

Rectangle

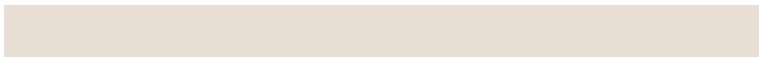
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



215, 222, 236



227, 222, 234



228, 232, 212



214, 226, 219

Sweetspot

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



215, 222, 236



247, 250, 255



215, 229, 236



122, 124, 128



0, 0, 0



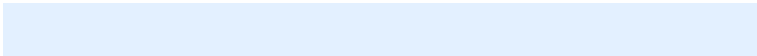
128, 128, 128

Same Dimension

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



215, 222, 236



227, 236, 255



215, 215, 236



106, 109, 117



0, 61, 181



0, 18, 54

Inverse Universe

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



236, 215, 225



255, 227, 241



215, 236, 215



117, 106, 111



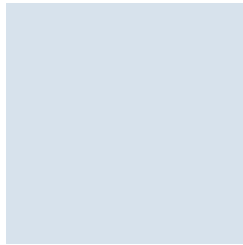
181, 0, 91



54, 0, 27

Previews

White Background



This preview shows how the RYB color 215, 222, 236 looks on a white background.

Color Contrast Check

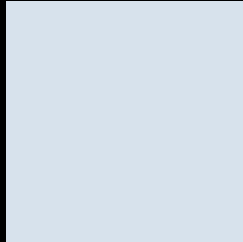
Large Text (above 18pt) WCAG AA × Fail

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 215, 222, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

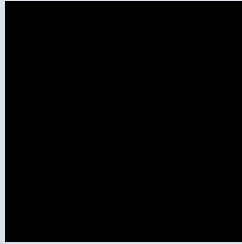
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

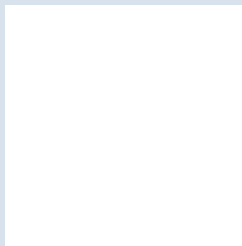
Any Text WCAG AAA ✓ Pass

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

RYB 215, 222, 236 Background



This preview shows how black text looks on a background with the RYB color 215, 222, 236.

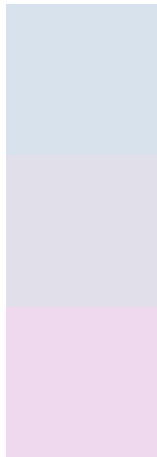


This preview shows how white text looks on a background with the RYB color 215, 222, 236.

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



Original Color
215, 222, 236

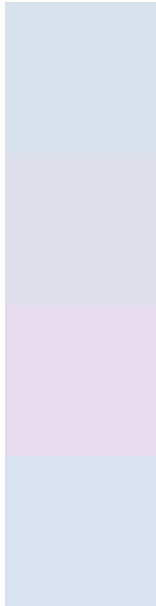
Protanopia
225, 223, 234

Deuteranopia
239, 217, 238



Tritanopia
216, 222, 242

Trichromacy



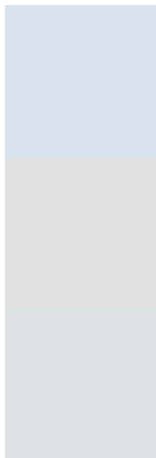
Original Color
215, 222, 236

Protanomaly
221, 223, 235

Deuteranomaly
230, 220, 237

Tritanomaly
216, 223, 240

Monochromacy



Original Color
215, 222, 236

Achromatopsia
224, 224, 224

Achromatomaly
221, 224, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 215, 222, 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(215, 226, 236) looks like.

```
.text, #text, p{  
    color:rgb(215, 226, 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(215, 226, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 226, 236) }
```

Border

The CSS property to change the border of an element to RYB 215, 222, 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(215, 226, 236) }
```

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

```
.border{ border-color:rgb(215, 226, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 226, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 226, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 226, 236);  
box-shadow:4px 4px 4px 4px rgb(215, 226,  
236) }
```

Background

The CSS property to change the background color of an element to RYB 215, 222, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 226, 236) }
```

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

```
.background{ background-color: rgb(215,  
226, 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