

Converting Colors

`RYB(199, 218, 236)`

Have a look what the booklet for
RYB(199, 218, 236) contains.

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Color

R_YB(199, 218, 236)

Conversions

Conversions Part 1

Format	Color
Hex	C7ECEA
RGB	199, 236, 234
RGB Percent	78%, 93%, 92%
CMY	0.2196, 0.0745, 0.0821
CMYK	0.16, 0.00, 0.01, 0.07
HSL	177°, 49%, 85%
HSV	177°, 16%, 93%
XYZ	68.4075, 78.0766, 89.3464
YIQ	224.7090, -21.4100, -8.4660

Conversions

Conversions Part 2

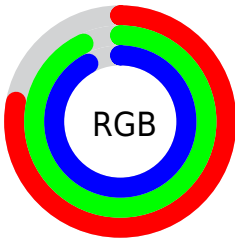
Format	Color
R_{YB}	199, 218, 236
Decimal	13102314
CIE _{Lab}	90.81, -12.33, -3.08
CIE _{LCh}	91, 12.704, 194.022
Yxy	78.0766, 0.2901, 0.3311
Android (android.graphics.Color)	4291292394 (0xFFC7ECEA)
YUV	224.7090, 4.5805, -22.5468
Hunter-Lab	88.3609, -16.4401, 1.9014

Details

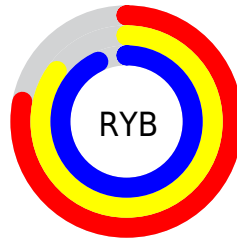
The RYB color **199, 218, 236** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **236, 199, 201**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **255, 255, 255**, and **145, 163, 180** is the 20% darker color. If you saturate the color by 10%, you get **175, 206, 236**, and if you desaturate by 10%, it is **223, 230, 236**.

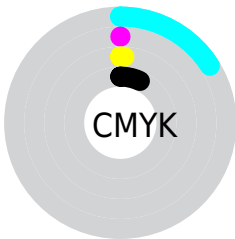
Distribution



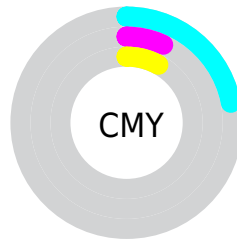
- Red (78%)
- Green (93%)
- Blue (92%)



- Red (78%)
- Yellow (85%)
- Blue (93%)



- Cyan (16%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 218, 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 199, 218, 236 by changing the saturation by 10% instead.

■ 199, 218, 236

255, 255, 255

■ 199, 218, 236

■ 171, 190, 208

■ 145, 163, 180

■ 119, 136, 153

■ 93, 110, 127

■ 69, 86, 102

■ 45, 62, 78

■ 22, 39, 55

■ 0, 17, 34


■ 0, 4, 10

 199, 218, 236

 199, 218, 236

 175, 206, 236

 223, 230, 236

 152, 195, 236


 246, 236, 237

 128, 184, 236


 255, 236, 238

 105, 172, 236


 255, 236, 239

 81, 161, 236


 255, 236, 240

 57, 149, 236

 255, 236, 242

 34, 138, 236

 255, 236, 243

 10, 126, 236

 255, 236, 244

 0, 121, 236

 255, 236, 245

Harmonies

Analogous

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



206, 225, 235



199, 218, 236



200, 220, 245

Triad

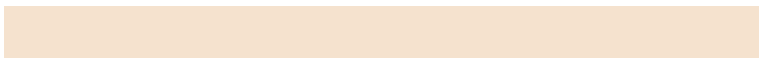
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



199, 218, 236



238, 224, 246



243, 245, 206

Complementary

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



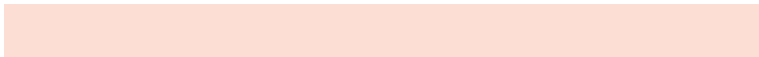
199, 218, 236



236, 199, 201

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.



253, 225, 212



199, 218, 236



250, 221, 236

Square

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



199, 218, 236



223, 227, 252



255, 221, 223



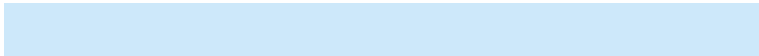
208, 233, 205

Rectangle

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



199, 218, 236



205, 222, 250



255, 221, 223



249, 236, 207

Sweetspot

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



199, 218, 236



242, 249, 255



199, 236, 234



120, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



199, 218, 236



207, 232, 255



199, 212, 236



106, 112, 117



0, 93, 181



0, 28, 54

Inverse Universe

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



236, 199, 201



255, 207, 209



236, 227, 199



117, 106, 106



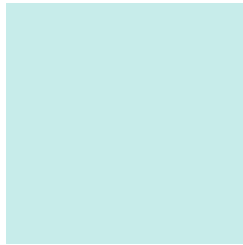
181, 0, 10



54, 0, 3

Previews

White Background



This preview shows how the RYB color 199, 218, 236 looks on a white background.

Color Contrast Check

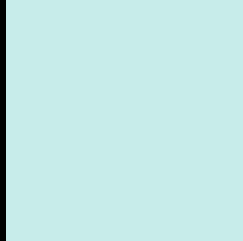
Large Text (above 18pt) WCAG AA × Fail

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 199, 218, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

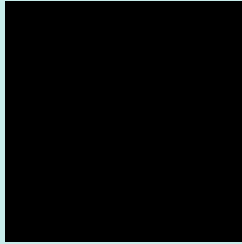
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

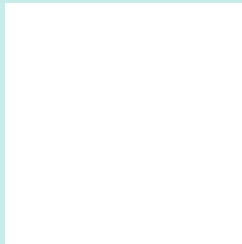
Any Text WCAG AAA ✓ Pass

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

RYB 199, 218, 236 Background



This preview shows how black text looks on a background with the RYB color 199, 218, 236.



This preview shows how white text looks on a background with the RYB color 199, 218, 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](#).

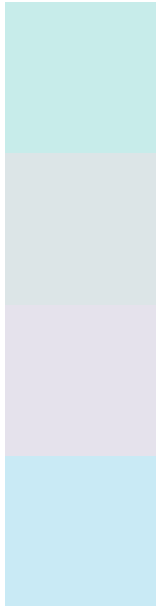
Dichromacy





Tritanopia
202, 221, 252

Trichromacy



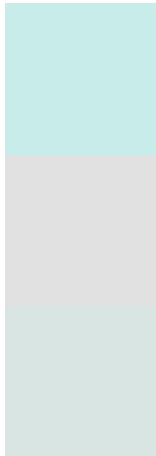
Original Color
199, 218, 236

Protanomaly
220, 225, 231

Deuteranomaly
229, 226, 236

Tritanomaly
201, 220, 245

Monochromacy



Original Color
199, 218, 236

Achromatopsia
225, 225, 225

Achromatomaly
216, 223, 229

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 218, 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(199, 236, 234)` looks like.

```
.text, #text, p{  
    color:rgb(199, 236, 234)  
}
```

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(199, 236, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 236, 234) }
```

Border

The CSS property to change the border of an element to RYB 199, 218, 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(199, 236, 234) }
```

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

```
.border{ border-color:rgb(199, 236, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 236, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 236, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 236, 234);  
box-shadow:4px 4px 4px 4px rgb(199, 236,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 199, 218, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 236, 234) }
```

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

```
.background{ background-color: rgb(199,  
236, 234) }
```

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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