

# Converting Colors

`RYB(202, 211, 222)`

Have a look what the booklet for  
RYB(202, 211, 222) contains.

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# **Color**

**R<sub>YB</sub>(202, 211, 222)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CADADE
RGB	202, 218, 222
RGB Percent	79%, 85%, 87%
CMY	0.2078, 0.1437, 0.1294
CMYK	0.09, 0.02, 0.00, 0.13
HSL	191°, 23%, 83%
HSV	191°, 9%, 87%
XYZ	62.7077, 68.1621, 78.9588
YIQ	213.6720, -10.8200, -2.1480

# Conversions

## Conversions Part 2

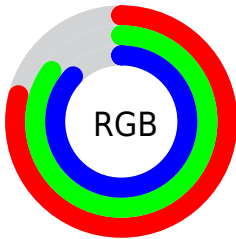
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 211, 222
Decimal	13294302
CIE Lab	86.09, -4.76, -3.67
CIE LCh	86, 6.009, 217.664
Yxy	68.1621, 0.2989, 0.3248
Android (android.graphics.Color)	4291484382 (0xFFCADADE)
YUV	213.6720, 4.1057, -10.2363
Hunter-Lab	82.5603, -8.9030, 1.0887

# Details

The RYB color **202, 211, 222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **222, 207, 202**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **255, 255, 255**, and **148, 156, 167** is the 20% darker color. If you saturate the color by 10%, you get **180, 199, 222**, and if you desaturate by 10%, it is **224, 222, 222**.

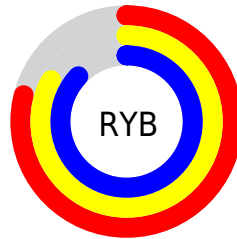
# Distribution



Red (79%)

Green (85%)

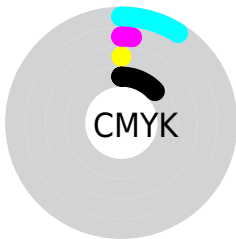
Blue (87%)



Red (79%)

Yellow (83%)

Blue (87%)

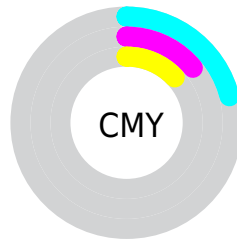


Cyan (9%)

Magenta (2%)

Yellow (0%)

Black (13%)



Cyan (21%)

Magenta (14%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 202, 211, 222 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 202, 211, 222 by changing the saturation by 10% instead.



■ 202, 211, 222

255, 255, 255

■ 202, 211, 222

■ 175, 184, 194

■ 148, 156, 167

■ 122, 130, 141

■ 97, 105, 115

■ 73, 81, 91

■ 50, 58, 67


■ 29, 36, 45

■ 6, 14, 24

■ 0, 0, 0

 202, 211, 222

 202, 211, 222

 180, 199, 222

 224, 222, 222

 158, 187, 222


 246, 227, 222

 135, 174, 222


 255, 233, 222

 113, 162, 222


 255, 243, 222

 91, 150, 222


 253, 255, 222

 69, 138, 222


 241, 255, 222

 47, 126, 222

 233, 255, 222

 24, 113, 222

 227, 255, 222

 2, 101, 222

 222, 255, 222

# Harmonies

## Analogous

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



202, 211, 219



202, 211, 222



205, 213, 226

# Triad

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



202, 211, 222



224, 212, 220



209, 219, 204

# Complementary

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



202, 211, 222



222, 207, 202

# 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.



224, 222, 205



202, 211, 222



228, 212, 214

# Square

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



202, 211, 222



218, 213, 224



228, 213, 209



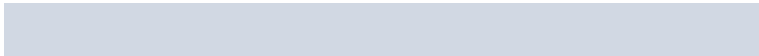
206, 217, 211

# Rectangle

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



202, 211, 222



209, 214, 227



228, 213, 209



213, 221, 204



# Sweetspot

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



202, 211, 222



247, 251, 255



202, 219, 222



122, 125, 128



0, 0, 0



128, 128, 128

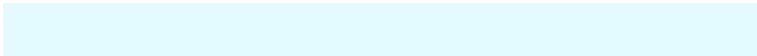


# Same Dimension

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



202, 211, 222



227, 240, 255



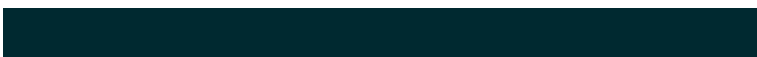
202, 207, 222



101, 106, 112



0, 79, 176



0, 22, 48



# Inverse Universe

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



222, 202, 218



255, 227, 250



213, 222, 202



112, 101, 110



176, 0, 144

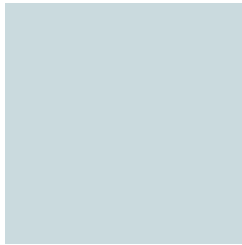


48, 0, 40



# Previews

## White Background



This preview shows how the RYB color 202, 211, 222 looks on a white background.

## Color Contrast Check

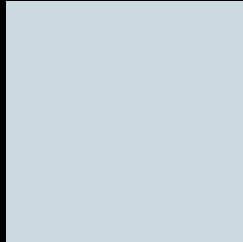
Large Text (above 18pt) WCAG AA × Fail

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 202, 211, 222 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

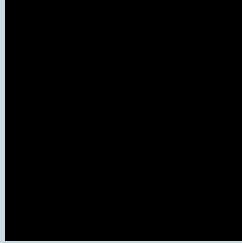
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

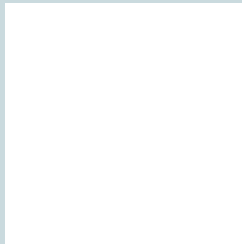
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R Y B 202, 211, 222 Background



This preview shows how black text looks on a background with the R Y B color 202, 211, 222.

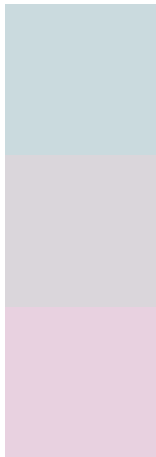


This preview shows how white text looks on a background with the R Y B color 202, 211, 222.

# 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](#).

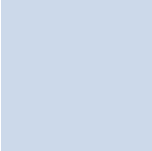
## Dichromacy



**Original Color**  
202, 211, 222

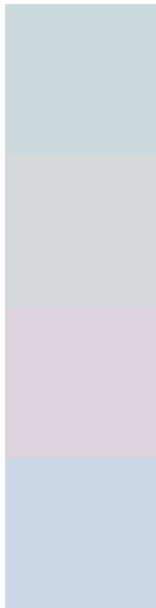
**Protanopia**  
218, 214, 219

**Deuteranopia**  
232, 209, 224



**Tritanopia**  
204, 213, 234

# Trichromacy



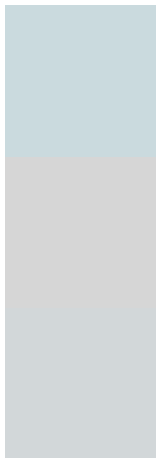
**Original Color**  
202, 211, 222

**Protanomaly**  
212, 215, 220

**Deuteranomaly**  
221, 212, 223

**Tritanomaly**  
203, 212, 230

# Monochromacy



**Original Color**  
202, 211, 222

**Achromatopsia**  
214, 214, 214

**Achromatomaly**  
210, 213, 217

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 202, 211, 222 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(202, 218, 222) looks like.

```
.text, #text, p{  
    color:rgb(202, 218, 222)  
}
```

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(202, 218, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 218, 222) }
```

## Border

The CSS property to change the border of an element to RYB 202, 211, 222 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(202, 218, 222) }
```

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

```
.border{ border-color:rgb(202, 218, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 218, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 218, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 218, 222);  
box-shadow:4px 4px 4px 4px rgb(202, 218,  
222) }
```

# Background

The CSS property to change the background color of an element to RGB 202, 211, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 218, 222) }
```

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

```
.background{ background-color: rgb(202,  
218, 222) }
```

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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