

# Converting Colors

`RYB(200, 215, 229)`

Have a look what the booklet for RYB(200, 215, 229) contains.

<b>RYB(200, 215, 229)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**R<sub>Y</sub>B(200, 215, 229)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8E5E3
RGB	200, 229, 227
RGB Percent	78%, 90%, 89%
CMY	0.2157, 0.1020, 0.1095
CMYK	0.13, 0.00, 0.01, 0.10
HSL	176°, 36%, 84%
HSV	176°, 13%, 90%
XYZ	65.7131, 73.8677, 83.5157
YIQ	220.1010, -16.6420, -6.7700

# Conversions

## Conversions Part 2

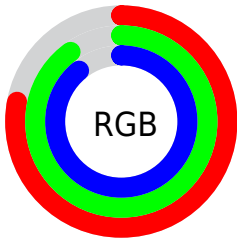
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	200, 215, 229
Decimal	13166051
CIE Lab	88.86, -9.86, -2.28
CIE LCh	89, 10.122, 193.038
Yxy	73.8677, 0.2945, 0.3311
Android (android.graphics.Color)	4291356131 (0xFFC8E5E3)
YUV	220.1010, 3.4012, -17.6286
Hunter-Lab	85.9463, -13.9281, 2.5492

# Details

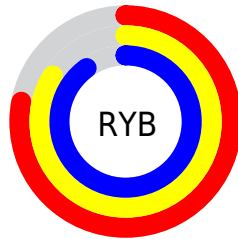
The RYB color **200, 215, 229** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **229, 200, 202**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **255, 255, 255**, and **146, 161, 174** is the 20% darker color. If you saturate the color by 10%, you get **177, 204, 229**, and if you desaturate by 10%, it is **223, 226, 229**.

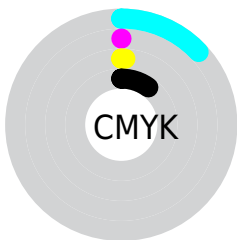
# Distribution



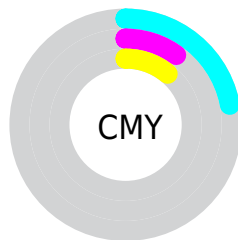
- Red (78%)
- Green (90%)
- Blue (89%)



- Red (78%)
- Yellow (84%)
- Blue (90%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (22%)
- Magenta (10%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 200, 215, 229 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 200, 215, 229 by changing the saturation by 10% instead.



■ 200, 215, 229

255, 255, 255

■ 200, 215, 229

■ 173, 188, 201

■ 146, 161, 174

■ 120, 134, 147

■ 95, 108, 121

■ 71, 84, 96

■ 48, 61, 73

■ 25, 38, 50

■ 3, 16, 29


■ 0, 0, 1

 200, 215, 229


 200, 215, 229

 177, 204, 229

 223, 226, 229

 154, 193, 229


 246, 229, 230

 131, 182, 229


 255, 229, 232

 108, 171, 229


 255, 229, 233

 85, 160, 229


 255, 229, 235

 63, 149, 229


 255, 229, 236

 40, 138, 229

 255, 229, 238

 17, 127, 229

 255, 229, 239

 0, 118, 229

 255, 229, 241

# Harmonies

## Analogous

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



206, 222, 229



200, 215, 229



201, 216, 236

# Triad

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



200, 215, 229



230, 219, 237



237, 237, 205

# Complementary

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



200, 215, 229



229, 200, 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.



243, 221, 210



200, 215, 229



240, 217, 229

# Square

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



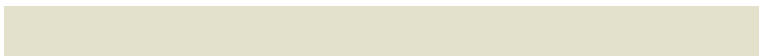
200, 215, 229



218, 221, 242



244, 217, 219



207, 227, 204

# Rectangle

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



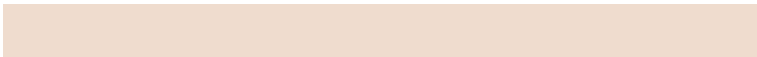
200, 215, 229



204, 218, 240



244, 217, 219



239, 230, 206



# Sweetspot

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



200, 215, 229



245, 250, 255



200, 229, 227



121, 125, 128



0, 0, 0



128, 128, 128

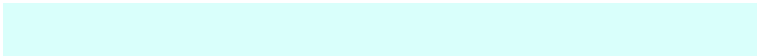


# Same Dimension

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



200, 215, 229



217, 237, 255



200, 211, 229



103, 109, 115



0, 93, 179



0, 26, 51



# Inverse Universe

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



229, 200, 202



255, 217, 219



229, 224, 200



115, 103, 104



179, 0, 12



51, 0, 3



# Previews

## White Background



This preview shows how the RYB color 200, 215, 229 looks on a white background.

## Color Contrast Check

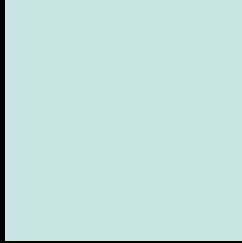
Large Text (above 18pt) WCAG AA × Fail

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 200, 215, 229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

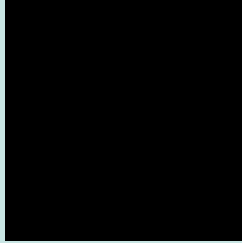
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

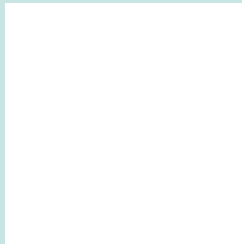
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## R Y B 200, 215, 229 Background



This preview shows how black text looks on a background with the RYB color 200, 215, 229.



This preview shows how white text looks on a background with the RYB color 200, 215, 229.

# 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](#).

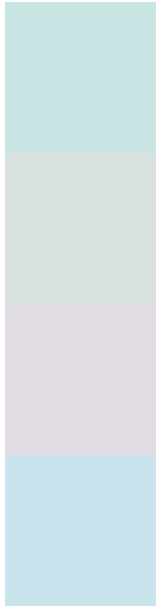
## Dichromacy





**Tritanopia**  
203, 218, 244

# Trichromacy



**Original Color**  
200, 215, 229

**Protanomaly**  
217, 221, 225

**Deuteranomaly**  
226, 221, 229

**Tritanomaly**  
202, 217, 238

# Monochromacy



**Original Color**  
200, 215, 229

**Achromatopsia**  
220, 220, 220

**Achromatomaly**  
213, 218, 223

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 200, 215, 229 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(200, 229, 227)` looks like.

```
.text, #text, p{  
    color:rgb(200, 229, 227)  
}
```

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(200, 229, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 229, 227) }
```

## Border

The CSS property to change the border of an element to RYB 200, 215, 229 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(200, 229, 227) }
```

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

```
.border{ border-color:rgb(200, 229, 227) }
```

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

Here you see how a box with a 4 pixel rgb(200, 229, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 229, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 229, 227);  
box-shadow:4px 4px 4px 4px rgb(200, 229,  
227) }
```

# Background

The CSS property to change the background color of an element to RYB 200, 215, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 229, 227) }
```

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

```
.background{ background-color: rgb(200,  
229, 227) }
```

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