

Converting Colors

`RYB(199, 209, 229)`

Have a look what the booklet for
RYB(199, 209, 229) contains.

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Color

R_YB(199, 209, 229)

Conversions

Conversions Part 1

Format	Color
Hex	C7D6E5
RGB	199, 214, 229
RGB Percent	78%, 84%, 90%
CMY	0.2196, 0.1608, 0.1020
CMYK	0.13, 0.07, 0.00, 0.10
HSL	210°, 37%, 84%
HSV	210°, 13%, 90%
XYZ	61.7426, 65.8924, 83.5931
YIQ	211.2250, -13.7550, 1.4850

Conversions

Conversions Part 2

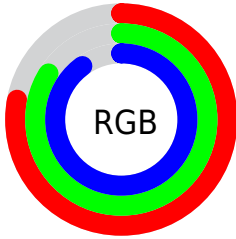
Format	Color
R _Y B	199, 209, 229
Decimal	13096677
CIE Lab	84.94, -2.06, -9.10
CIE LCh	85, 9.327, 257.229
Yxy	65.8924, 0.2923, 0.3119
Android (android.graphics.Color)	4291286757 (0xFFC7D6E5)
YUV	211.2250, 8.7631, -10.7213
Hunter-Lab	81.1741, -6.2842, -4.2349

Details

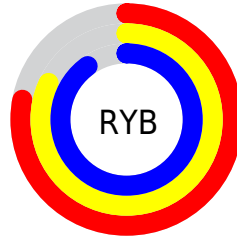
The RYB color **199, 209, 229** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **229, 229, 199**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is 255, 255, 255, and **145, 154, 174** is the 20% darker color. If you saturate the color by 10%, you get **176, 194, 229**, and if you desaturate by 10%, it is **222, 224, 229**.

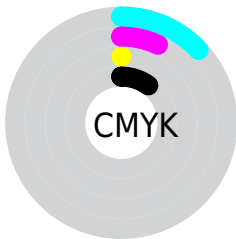
Distribution



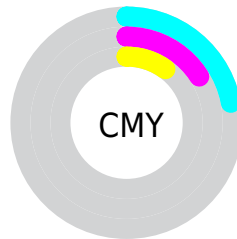
- Red (78%)
- Green (84%)
- Blue (90%)



- Red (78%)
- Yellow (82%)
- Blue (90%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)



- Cyan (22%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 209, 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 199, 209, 229 by changing the saturation by 10% instead.

■ 199, 209, 229

255, 255, 255

■ 199, 209, 229

■ 172, 181, 201

■ 145, 154, 174

■ 119, 128, 147

■ 94, 103, 121

■ 70, 79, 96

■ 47, 56, 73

■ 26, 34, 50

■ 2, 12, 29

■ 0, 0, 1

■ 199, 209, 229

■ 199, 209, 229

■ 176, 194, 229

■ 222, 224, 229

■ 153, 178, 229

■ 245, 245, 229

■ 130, 163, 229

■ 239, 255, 229

■ 107, 148, 229

■ 229, 255, 229

■ 84, 133, 229

■ 62, 117, 229

■ 39, 102, 229

■ 16, 87, 229

■ 0, 77, 229

Harmonies

Analogous

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



192, 206, 225



199, 209, 229



209, 211, 229

Triad

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



199, 209, 229



231, 206, 207



200, 216, 212

Complementary

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



199, 209, 229



229, 229, 199

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.



196, 214, 195



199, 209, 229



230, 212, 199

Square

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



199, 209, 229



228, 207, 216



219, 223, 195



195, 209, 217

Rectangle

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



199, 209, 229



217, 209, 226



219, 223, 195



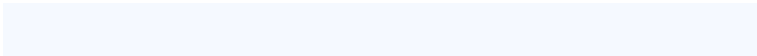
198, 215, 206

Sweetspot

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



199, 209, 229



245, 248, 255



199, 219, 229



121, 123, 128



0, 0, 0



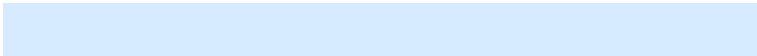
128, 128, 128

Same Dimension

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



199, 209, 229



214, 228, 255



199, 199, 229



103, 107, 115



0, 59, 179



0, 17, 51

Inverse Universe

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



229, 199, 214



255, 214, 235



199, 229, 199



115, 103, 109



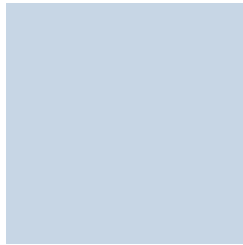
179, 0, 89



51, 0, 26

Previews

White Background



This preview shows how the RYB color 199, 209, 229 looks on a white background.

Color Contrast Check

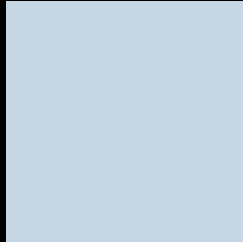
Large Text (above 18pt) WCAG AA × Fail

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 199, 209, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

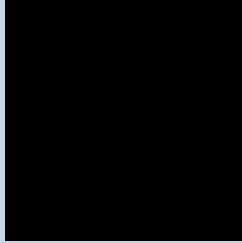
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

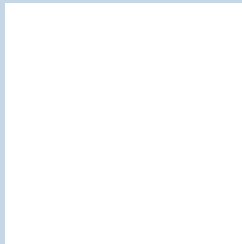
Any Text WCAG AAA ✓ Pass

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

RYB 199, 209, 229 Background



This preview shows how black text looks on a background with the RYB color 199, 209, 229.




This preview shows how white text looks on a background with the RYB color 199, 209, 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



Original Color 199, 209, 229
Protanopia 211, 211, 227
Deuteranopia 224, 206, 231



Tritanopia
199, 209, 231

Trichromacy



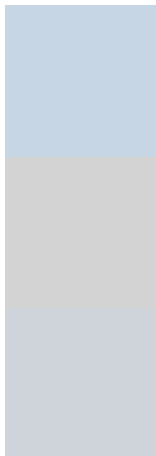
Original Color
199, 209, 229

Protanomaly
207, 211, 228

Deuteranomaly
215, 209, 230

Tritanomaly
199, 209, 230

Monochromacy



Original Color
199, 209, 229

Achromatopsia
211, 211, 211

Achromatomaly
207, 210, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 209, 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(199, 214, 229)` looks like.

```
.text, #text, p{  
    color:rgb(199, 214, 229)  
}
```

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, 214, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 214, 229) }
```

Border

The CSS property to change the border of an element to RYB 199, 209, 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(199, 214, 229) }
```

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

```
.border{ border-color:rgb(199, 214, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 214, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 214, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 214, 229);  
box-shadow:4px 4px 4px 4px rgb(199, 214,  
229) }
```

Background

The CSS property to change the background color of an element to RYB 199, 209, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 214, 229) }
```

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

```
.background{ background-color: rgb(199,  
214, 229) }
```

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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