

Converting Colors

`RYB(205, 212, 233)`

Have a look what the booklet for RYB(205, 212, 233) contains.

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Color

RYB(205, 212, 233)

Conversions

Conversions Part 1

Format	Color
Hex	CDD6E9
RGB	205, 214, 233
RGB Percent	80%, 84%, 91%
CMY	0.1961, 0.1595, 0.0863
CMYK	0.12, 0.08, 0.00, 0.09
HSL	220°, 39%, 86%
HSV	220°, 12%, 91%
XYZ	64.0158, 67.1244, 86.6731
YIQ	213.4750, -11.4630, 4.0010

Conversions

Conversions Part 2

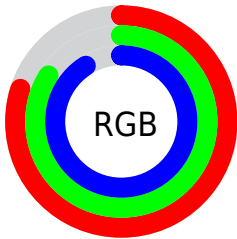
Format	Color
R _Y B	205, 212, 233
Decimal	13489897
CIE Lab	85.57, 0.49, -10.24
CIE LCh	86, 10.252, 272.761
Yxy	67.1244, 0.2939, 0.3082
Android (android.graphics.Color)	4291679977 (0xFFCDD6E9)
YUV	213.4750, 9.6258, -7.4326
Hunter-Lab	81.9295, -3.9050, -5.3722

Details

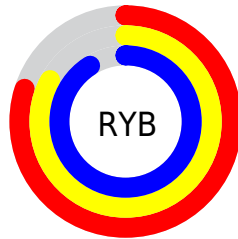
The RYB color **205, 212, 233** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **218, 233, 205**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **255, 255, 255**, and **151, 157, 177** is the 20% darker color. If you saturate the color by 10%, you get **182, 195, 233**, and if you desaturate by 10%, it is **228, 229, 233**.

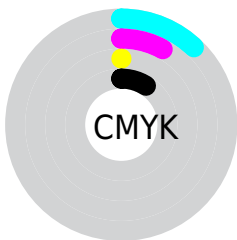
Distribution



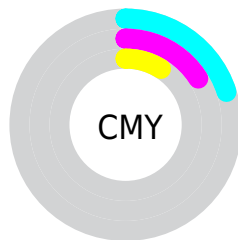
- Red (80%)
- Green (84%)
- Blue (91%)



- Red (80%)
- Yellow (83%)
- Blue (91%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 205, 212, 233 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 205, 212, 233 by changing the saturation by 10% instead.

■ 205, 212, 233

255, 255, 255

■ 205, 212, 233

■ 177, 184, 205

■ 151, 158, 177

■ 125, 132, 151

■ 100, 106, 125

■ 75, 82, 100

■ 52, 59, 76

■ 31, 37, 53

■ 9, 16, 32

■ 0, 0, 6

■ 205, 212, 233

■ 205, 212, 233

■ 182, 195, 233

■ 228, 229, 233

■ 158, 177, 233

■ 244, 252, 233

■ 135, 160, 233

■ 233, 255, 233

■ 112, 142, 233

■ 89, 125, 233

■ 65, 107, 233

■ 42, 90, 233

■ 19, 72, 233

■ 0, 58, 233

Harmonies

Analogous

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



195, 209, 231



205, 212, 233



217, 211, 230

Triad

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



205, 212, 233



235, 209, 204



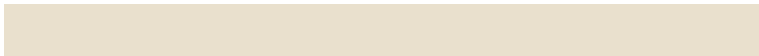
199, 214, 219

Complementary

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



205, 212, 233



218, 233, 205

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.



197, 216, 203



205, 212, 233



230, 218, 197

Square

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



205, 212, 233



234, 207, 213



207, 221, 195



192, 208, 220

Rectangle

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



205, 212, 233



224, 209, 226



207, 221, 195



202, 218, 217

Sweetspot

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



205, 212, 233



245, 247, 255



205, 222, 233



121, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



205, 212, 233



219, 228, 255



210, 205, 233



106, 108, 117



0, 45, 181



0, 14, 54

Inverse Universe

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



233, 205, 214



255, 219, 231



205, 233, 210



117, 106, 109



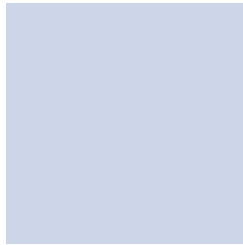
181, 0, 60



54, 0, 18

Previews

White Background



This preview shows how the RYB color 205, 212, 233 looks on a white background.

Color Contrast Check

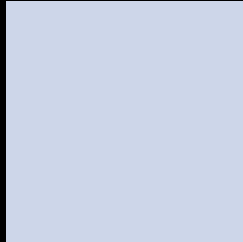
Large Text (above 18pt) WCAG AA × Fail

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 205, 212, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

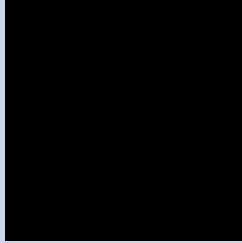
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

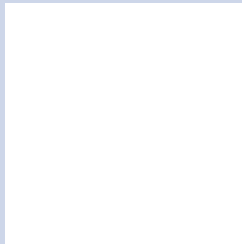
Any Text WCAG AAA ✓ Pass

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

RYP 205, 212, 233 Background



This preview shows how black text looks on a background with the RYB color 205, 212, 233.



This preview shows how white text looks on a background with the RYB color 205, 212, 233.

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
[205](#), [212](#), [233](#)

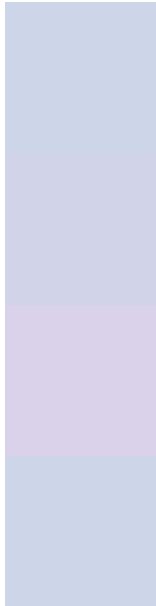
Protanopia
[212](#), [212](#), [232](#)

Deuteranopia
[225](#), [208](#), [234](#)



Tritanopia
205, 212, 232

Trichromacy



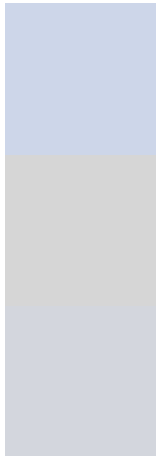
Original Color
205, 212, 233

Protanomaly
209, 212, 232

Deuteranomaly
218, 210, 234

Tritanomaly
205, 212, 232

Monochromacy



Original Color
205, 212, 233

Achromatopsia
214, 214, 214

Achromatomaly
211, 213, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 205, 212, 233 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(205, 214, 233) looks like.

```
.text, #text, p{  
    color:rgb(205, 214, 233)  
}
```

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(205, 214, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 214, 233) }
```

Border

The CSS property to change the border of an element to RYB 205, 212, 233 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(205, 214, 233) }
```

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

```
.border{ border-color:rgb(205, 214, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 214, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 214, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 214, 233);  
box-shadow:4px 4px 4px 4px rgb(205, 214,  
233) }
```

Background

The CSS property to change the background color of an element to RGB 205, 214, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 214, 233) }
```

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

```
.background{ background-color: rgb(205,  
214, 233) }
```

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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