

Converting Colors

`RYB(202, 209, 208)`

Have a look what the booklet for
RYB(202, 209, 208) contains.

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Color

R_YB(202, 209, 208)

Conversions

Conversions Part 1

Format	Color
Hex	CBD1CA
RGB	203, 209, 202
RGB Percent	80%, 82%, 79%
CMY	0.2039, 0.1804, 0.2078
CMYK	0.03, 0.00, 0.03, 0.18
HSL	111°, 7%, 81%
HSV	111°, 3%, 82%
XYZ	58.0897, 62.5617, 64.8911
YIQ	206.4080, -1.3290, -3.4490

Conversions

Conversions Part 2

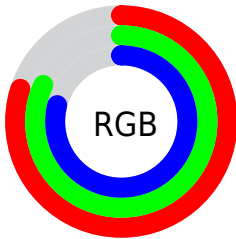
Format	Color
RYB	202, 209, 208
Decimal	13357514
CIELab	83.21, -3.32, 2.75
CIELCh	83, 4.307, 140.389
Yxy	62.5617, 0.3131, 0.3372
Android (android.graphics.Color)	4291547594 (0xFFCBD1CA)
YUV	206.4080, -2.1731, -2.9888
Hunter-Lab	79.0960, -7.3238, 6.7251

Details

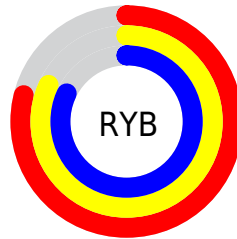
The RYB color **202, 209, 208** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **208, 202, 209**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is 255, 255, 255, and **148, 155, 154** is the 20% darker color. If you saturate the color by 10%, you get **181, 209, 205**, and if you desaturate by 10%, it is **221, 209, 223**.

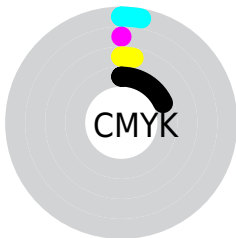
Distribution



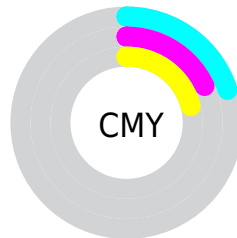
- Red (80%)
- Green (82%)
- Blue (79%)



- Red (79%)
- Yellow (82%)
- Blue (82%)



- Cyan (3%)
- Magenta (0%)
- Yellow (3%)
- Black (18%)



- Cyan (20%)
- Magenta (18%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 209, 208 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, 209, 208 by changing the saturation by 10% instead.

■ 202, 209, 208

255, 255, 255

■ 202, 209, 208

■ 175, 181, 180

■ 148, 155, 154

■ 122, 129, 128

■ 97, 104, 103

■ 74, 80, 80

■ 51, 57, 56


■ 30, 35, 34


■ 5, 14, 13

■ 0, 0, 0

 202, 209, 208

 202, 209, 208

 181, 209, 205

 221, 209, 223

 160, 209, 202

 239, 209, 244

 139, 209, 199

 255, 209, 255

 118, 209, 196

 97, 209, 193

 77, 209, 190

 56, 209, 187

 35, 209, 184

 14, 209, 181

Harmonies

Analogous

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



200, 208, 200



202, 209, 208



199, 206, 210

Triad

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



202, 209, 208



202, 206, 215



216, 205, 205

Complementary

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



202, 209, 208



208, 202, 209

Split Complementary

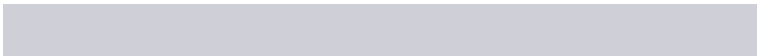
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



215, 205, 209



202, 209, 208



207, 207, 215

Square

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



202, 209, 208



199, 205, 213



211, 205, 212



215, 207, 201

Rectangle

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



202, 209, 208



198, 204, 210



211, 205, 212



216, 205, 206

Sweetspot

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



202, 209, 208



252, 255, 254



203, 209, 202



126, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



202, 209, 208



245, 255, 254



202, 207, 209



99, 105, 104



0, 168, 144



0, 41, 35

Inverse Universe

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



208, 202, 209



254, 245, 255



209, 202, 207



104, 99, 105



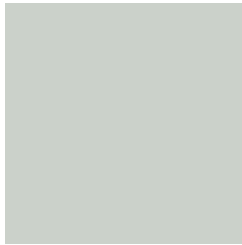
144, 0, 168



35, 0, 41

Previews

White Background



This preview shows how the RYB color 202, 209, 208 looks on a white background.

Color Contrast Check

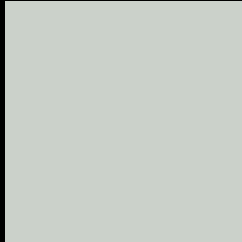
Large Text (above 18pt) WCAG AA × Fail

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, 209, 208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

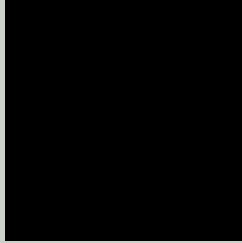
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

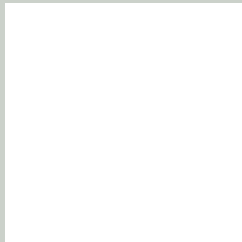
Any Text WCAG AAA ✓ Pass

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

RYB 202, 209, 208 Background



This preview shows how black text looks on a background with the RYB color 202, 209, 208.



This preview shows how white text looks on a background with the RYB color 202, 209, 208.

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
206, 206, 222

Trichromacy



Original Color

202, 209, 208

Protanomaly

204, 209, 201

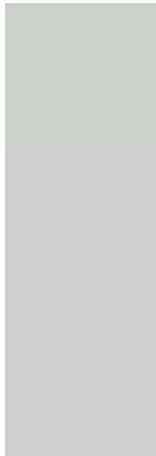
Deuteranomaly

219, 203, 203

Tritanomaly

205, 207, 215

Monochromacy



Original Color

202, 209, 208

Achromatopsia

206, 206, 206

Achromatomaly

205, 207, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 209, 208 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(203, 209, 202) looks like.

```
.text, #text, p{  
    color:rgb(203, 209, 202)  
}
```

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(203, 209, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 209, 202) }
```

Border

The CSS property to change the border of an element to RYB 202, 209, 208 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(203, 209, 202) }
```

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

```
.border{ border-color:rgb(203, 209, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 209, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 209, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 209, 202);  
box-shadow:4px 4px 4px 4px rgb(203, 209,  
202) }
```

Background

The CSS property to change the background color of an element to RGB 202, 209, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 209, 202) }
```

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

```
.background{ background-color: rgb(203,  
209, 202) }
```

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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