

Converting Colors

`RYB(212, 212, 214)`

Have a look what the booklet for
RYB(212, 212, 214) contains.

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Color

R_YB(212, 212, 214)

Conversions

Conversions Part 1

Format	Color
Hex	D4D4D6
RGB	212, 212, 214
RGB Percent	83%, 83%, 84%
CMY	0.1686, 0.1686, 0.1608
CMYK	0.01, 0.01, 0.00, 0.16
HSL	240°, 2%, 84%
HSV	240°, 1%, 84%
XYZ	62.8325, 65.9391, 73.0342
YIQ	212.2280, -0.6420, 0.6220

Conversions

Conversions Part 2

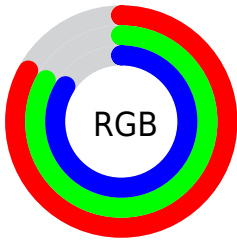
Format	Color
RYB	212, 212, 214
Decimal	13948118
CIELab	84.97, 0.37, -0.99
CIElCh	85, 1.061, 290.331
Yxy	65.9391, 0.3114, 0.3267
Android (android.graphics.Color)	4292138198 (0xFFD4D4D6)
YUV	212.2280, 0.8736, -0.2000
Hunter-Lab	81.2029, -3.9868, 3.5163

Details

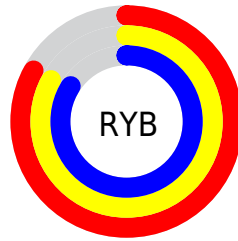
The RYB color **212, 212, 214** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **212, 214, 212**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is 255, 255, 255, and **157, 157, 159** is the 20% darker color. If you saturate the color by 10%, you get **191, 191, 214**, and if you desaturate by 10%, it is **214, 233, 214**.

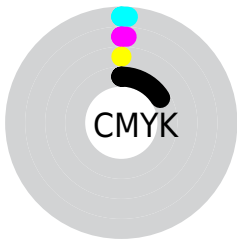
Distribution



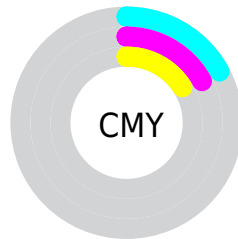
- Red (83%)
- Green (83%)
- Blue (84%)



- Red (83%)
- Yellow (83%)
- Blue (84%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)



- Cyan (17%)
- Magenta (17%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 212, 214 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 212, 212, 214 by changing the saturation by 10% instead.

■ 212, 212, 214

255, 255, 255

■ 212, 212, 214

■ 184, 184, 186

■ 157, 157, 159

■ 131, 131, 133

■ 106, 106, 108

■ 82, 82, 84

■ 59, 59, 61


■ 37, 37, 39

■ 17, 17, 18


■ 0, 0, 0

 212, 212, 214


 212, 212, 214

 191, 191, 214

 214, 233, 214

 169, 169, 214

 214, 255, 214

 148, 148, 214

 126, 126, 214

 105, 105, 214

 84, 84, 214

 62, 62, 214

 41, 41, 214

 19, 19, 214

Harmonies

Analogous

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



211, 212, 214



212, 212, 214



213, 212, 213

Triad

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



212, 212, 214



214, 213, 211



210, 212, 213

Complementary

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



212, 212, 214



212, 214, 212

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.



211, 213, 213



212, 212, 214



212, 213, 210

Square

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



212, 212, 214



214, 213, 211



210, 212, 210



210, 212, 213

Rectangle

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



212, 212, 214



214, 212, 213



210, 212, 210



210, 212, 213

Sweetspot

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



212, 212, 214

255, 255, 255



212, 213, 214



128, 128, 128



0, 0, 0

Same Dimension

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



212, 212, 214



252, 252, 255



213, 212, 214



106, 106, 107



0, 0, 171



0, 0, 43

Inverse Universe

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



214, 212, 214



255, 252, 255



212, 214, 213



107, 106, 107



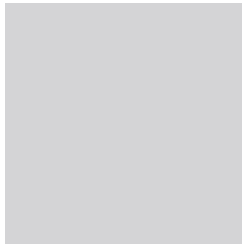
171, 0, 171



43, 0, 43

Previews

White Background



This preview shows how the RYB color 212, 212, 214 looks on a white background.

Color Contrast Check

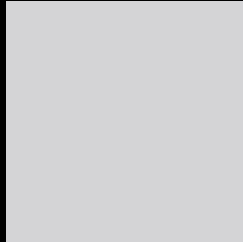
Large Text (above 18pt) WCAG AA × Fail

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 212, 212, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

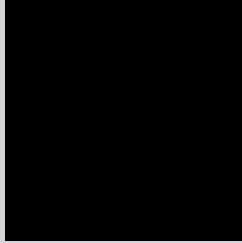
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

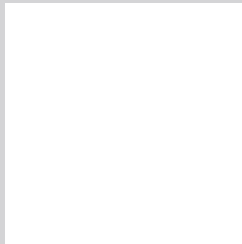
Any Text WCAG AAA ✓ Pass

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

R Y B 212, 212, 214 Background



This preview shows how black text looks on a background with the R Y B color 212, 212, 214.

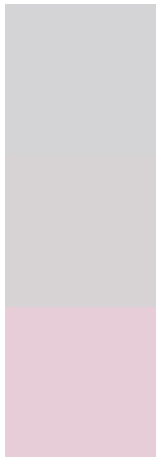


This preview shows how white text looks on a background with the R Y B color 212, 212, 214.

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
212, 212, 214

Protanopia
215, 211, 213

Deuteranopia
231, 205, 215



Tritanopia
214, 210, 227

Trichromacy



Original Color

212, 212, 214

Protanomaly

214, 211, 213

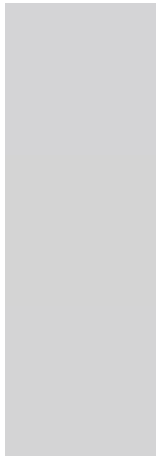
Deuteranomaly

224, 208, 215

Tritanomaly

213, 211, 222

Monochromacy



Original Color

212, 212, 214

Achromatopsia

212, 212, 212

Achromatomaly

212, 212, 213

CSS Examples

Text

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

```
.text, #text, p{  
    color:rgb(212, 212, 214)  
}
```

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(212, 212, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 212, 214) }
```

Border

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

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

```
.border{ border-color:rgb(212, 212, 214) }
```

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

Here you see how a box with a 4 pixel rgb(212, 212, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 212, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 212, 214);  
box-shadow:4px 4px 4px 4px rgb(212, 212,  
214) }
```

Background

The CSS property to change the background color of an element to RGB 212, 212, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 212, 214) }
```

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

```
.background{ background-color: rgb(212,  
212, 214) }
```

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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