

Converting Colors

`RYB(198, 198, 216)`

Have a look what the booklet for RYB(198, 198, 216) contains.

RYB(198, 198, 216)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(198, 198, 216)

Conversions

Conversions Part 1

Format	Color
Hex	C6C6D8
RGB	198, 198, 216
RGB Percent	78%, 78%, 85%
CMY	0.2235, 0.2235, 0.1529
CMYK	0.08, 0.08, 0.00, 0.15
HSL	240°, 19%, 81%
HSV	240°, 8%, 85%
XYZ	55.8775, 57.3518, 73.0907
YIQ	200.0520, -5.7780, 5.5980

Conversions

Conversions Part 2

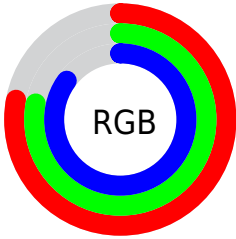
Format	Color
RYB	198, 198, 216
Decimal	13027032
CIELab	80.38, 3.44, -8.95
CIELCh	80, 9.590, 291.035
Yxy	57.3518, 0.2999, 0.3078
Android (android.graphics.Color)	4291217112 (0xFFC6C6D8)
YUV	200.0520, 7.8624, -1.7996
Hunter-Lab	75.7310, -0.8245, -4.2112

Details

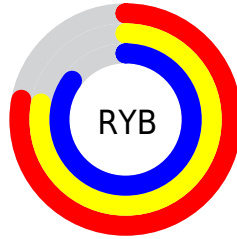
The RYB color **198, 198, 216** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **198, 216, 198**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is 255, 255, 255, and **144, 144, 161** is the 20% darker color. If you saturate the color by 10%, you get **176, 176, 216**, and if you desaturate by 10%, it is **216, 220, 216**.

Distribution



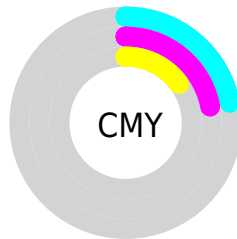
- Red (78%)
- Green (78%)
- Blue (85%)



- Red (78%)
- Yellow (78%)
- Blue (85%)



- Cyan (8%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)



- Cyan (22%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 198, 198, 216 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 198, 198, 216 by changing the saturation by 10% instead.

■ 198, 198, 216

255, 255, 255

■ 198, 198, 216

■ 171, 171, 188

■ 144, 144, 161

■ 118, 119, 135

■ 94, 94, 110

■ 70, 70, 85

■ 48, 48, 62


■ 26, 27, 40

■ 0, 0, 20

■ 0, 0, 0

 198, 198, 216

 198, 198, 216

 176, 176, 216


 216, 220, 216

 155, 155, 216

 216, 241, 216

 133, 133, 216

 216, 255, 216

 112, 112, 216

 90, 90, 216

 68, 68, 216

 47, 47, 216

 25, 25, 216

 4, 4, 216

Harmonies

Analogous

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



187, 197, 217



198, 198, 216



209, 195, 211

Triad

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



198, 198, 216



217, 199, 186



181, 196, 205

Complementary

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



198, 198, 216



198, 216, 198

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.



188, 203, 201



198, 198, 216



203, 210, 182

Square

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



198, 198, 216



219, 194, 193



183, 201, 184



177, 191, 205

Rectangle

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



198, 198, 216



214, 194, 205



183, 201, 184



184, 198, 204

Sweetspot

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



198, 198, 216



247, 247, 255



198, 207, 216



122, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



198, 198, 216



230, 230, 255



207, 198, 216



96, 96, 107



0, 0, 171



0, 0, 43

Inverse Universe

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



216, 198, 216



255, 230, 255



198, 216, 207



107, 96, 107



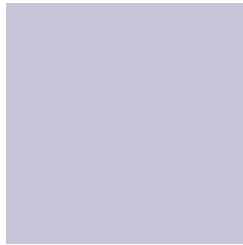
171, 0, 171



43, 0, 43

Previews

White Background



This preview shows how the RYB color 198, 198, 216 looks on a white background.

Color Contrast Check

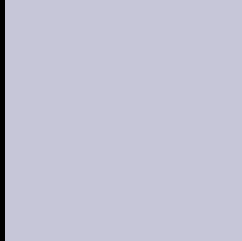
Large Text (above 18pt) WCAG AA × Fail

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 198, 198, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

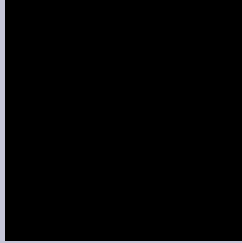
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

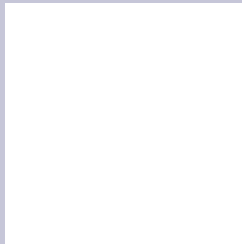
Any Text WCAG AAA ✓ Pass

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

RYB 198, 198, 216 Background



This preview shows how black text looks on a background with the RYB color 198, 198, 216.

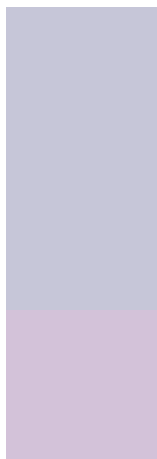


This preview shows how white text looks on a background with the RYB color 198, 198, 216.

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

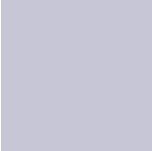
[198, 198, 216](#)

Protanopia

[198, 198, 216](#)

Deuteranopia

[211, 194, 217](#)



Tritanopia
198, 198, 214

Trichromacy



Original Color

198, 198, 216

Protanomaly

198, 198, 216

Deuteranomaly

206, 195, 217

Tritanomaly

198, 198, 215

Monochromacy



Original Color

198, 198, 216

Achromatopsia

200, 200, 200

Achromatomaly

199, 199, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 198, 198, 216 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(198, 198, 216)` looks like.

```
.text, #text, p{  
    color:rgb(198, 198, 216)  
}
```

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(198, 198, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 198, 216) }
```

Border

The CSS property to change the border of an element to RYB 198, 198, 216 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(198, 198, 216) }
```

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

```
.border{ border-color:rgb(198, 198, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 198, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 198, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 198, 216);  
box-shadow:4px 4px 4px 4px rgb(198, 198,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 198, 198, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 198, 216) }
```

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

```
.background{ background-color: rgb(198,  
198, 216) }
```

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