

Converting Colors

`RYB(198, 232, 212)`

Have a look what the booklet for
RYB(198, 232, 212) contains.

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Color

R_YB(198, 232, 212)

Conversions

Conversions Part 1

Format	Color
Hex	DAE8C6
RGB	218, 232, 198
RGB Percent	85%, 91%, 78%
CMY	0.1451, 0.0902, 0.2235
CMYK	0.06, 0.00, 0.15, 0.09
HSL	85°, 42%, 84%
HSV	85°, 15%, 91%
XYZ	67.9631, 76.6959, 64.6478
YIQ	223.9380, 2.5700, -13.5420

Conversions

Conversions Part 2

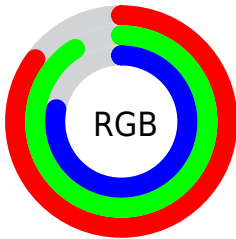
Format	Color
RYB	198, 232, 212
Decimal	14346438
CIELab	90.18, -10.57, 14.97
CIELCh	90, 18.328, 125.213
Yxy	76.6959, 0.3247, 0.3664
Android (android.graphics.Color)	4292536518 (0xFFDAE8C6)
YUV	223.9380, -12.7874, -5.2076
Hunter-Lab	87.5762, -14.7342, 17.5361

Details

The RYB color **198, 232, 212** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **212, 198, 232**, and the grayscale version is **224, 224, 224**.

A 20% lighter version of the original color is **255, 255, 255**, and **144, 176, 157** is the 20% darker color. If you saturate the color by 10%, you get **175, 232, 199**, and if you desaturate by 10%, it is **221, 232, 225**.

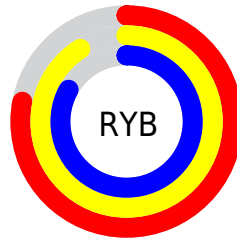
Distribution



Red (85%)

Green (91%)

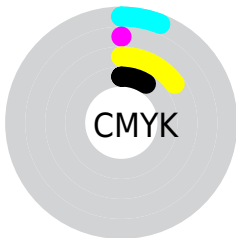
Blue (78%)



Red (78%)

Yellow (91%)

Blue (83%)

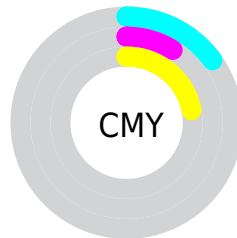


Cyan (6%)

Magenta (0%)

Yellow (15%)

Black (9%)



Cyan (15%)

Magenta (9%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 198, 232, 212 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, 232, 212 by changing the saturation by 10% instead.

■ 198, 232, 212

255, 255, 255

■ 198, 232, 212

■ 171, 204, 185

■ 144, 176, 157

■ 118, 150, 131

■ 94, 124, 107

■ 70, 99, 83

■ 47, 75, 59

■ 26, 52, 37


■ 0, 31, 9

■ 0, 1, 1

 198, 232, 212

 198, 232, 212

 175, 232, 199

 221, 232, 225

 152, 232, 185

 237, 232, 244

 128, 232, 171

 247, 232, 255

 105, 232, 157

 255, 232, 255

 82, 232, 144

 59, 232, 130

 36, 232, 117

 12, 232, 102

 0, 232, 96

Harmonies

Analogous

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



206, 238, 192



198, 232, 212



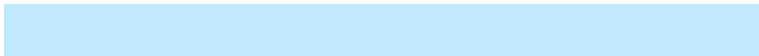
199, 226, 236

Triad

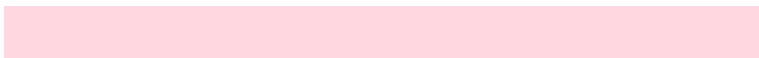
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



198, 232, 212



192, 217, 255



255, 215, 224

Complementary

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



198, 232, 212



212, 198, 232

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.



253, 217, 242



198, 232, 212



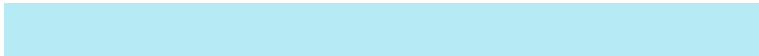
212, 223, 255

Square

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



198, 232, 212



182, 211, 246



234, 221, 255



255, 218, 207

Rectangle

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



198, 232, 212



188, 217, 237



234, 221, 255



255, 215, 230

Sweetspot

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



198, 232, 212



245, 255, 249



232, 222, 198



121, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

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



198, 232, 212



209, 255, 228



198, 232, 229



103, 115, 108



0, 179, 74



0, 51, 21

Inverse Universe

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



212, 198, 232



228, 209, 255



229, 198, 232



108, 103, 115



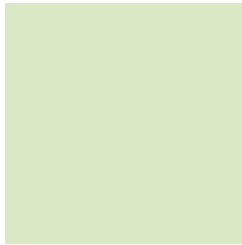
74, 0, 179



21, 0, 51

Previews

White Background



This preview shows how the RYB color 198, 232, 212 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, 232, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

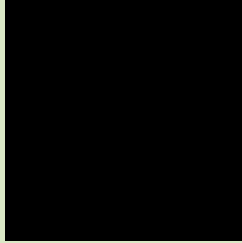
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

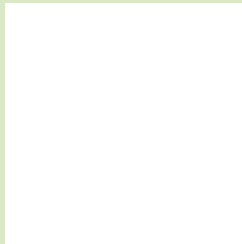
Any Text WCAG AAA ✓ Pass

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

RYB 198, 232, 212 Background



This preview shows how black text looks on a background with the RYB color 198, 232, 212.

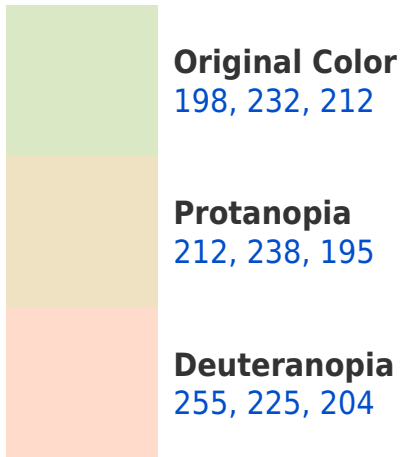


This preview shows how white text looks on a background with the RYB color 198, 232, 212.

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](#).

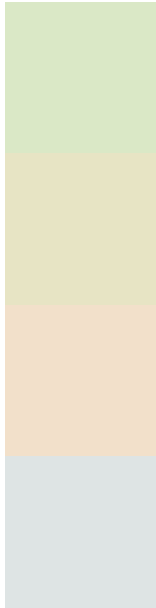
Dichromacy





Tritanopia
225, 226, 243

Trichromacy



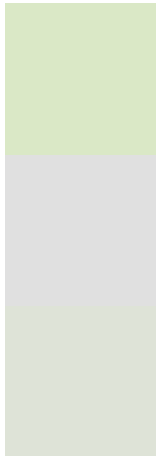
Original Color
198, 232, 212

Protanomaly
199, 231, 196

Deuteranomaly
235, 242, 202

Tritanomaly
222, 225, 228

Monochromacy



Original Color
198, 232, 212

Achromatopsia
224, 224, 224

Achromatomaly
215, 227, 220

CSS Examples

Text

The CSS property to change the color of the text to RGB 198, 232, 212 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(218, 232, 198) looks like.

```
.text, #text, p{  
    color:rgb(218, 232, 198)  
}
```

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(218, 232, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 232, 198) }
```

Border

The CSS property to change the border of an element to RYB 198, 232, 212 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(218, 232, 198) }
```

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

```
.border{ border-color:rgb(218, 232, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 232, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 232, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 232, 198); box-shadow:4px 4px 4px 4px rgb(218, 232, 198) }
```

Background

The CSS property to change the background color of an element to RYB 198, 232, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 232, 198) }
```

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

```
.background{ background-color: rgb(218,  
232, 198) }
```

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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