

Converting Colors

`RYB(199, 232, 218)`

Have a look what the booklet for
RYB(199, 232, 218) contains.

RYB(199, 232, 218)	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(199, 232, 218)

Conversions

Conversions Part 1

Format	Color
Hex	D5E8C7
RGB	213, 232, 199
RGB Percent	84%, 91%, 78%
CMY	0.1647, 0.0902, 0.2196
CMYK	0.08, 0.00, 0.14, 0.09
HSL	95°, 42%, 85%
HSV	95°, 14%, 91%
XYZ	66.6060, 75.9829, 65.1885
YIQ	222.5570, -0.7310, -14.2910

Conversions

Conversions Part 2

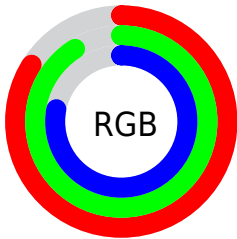
Format	Color
RYB	199, 232, 218
Decimal	14018759
CIELab	89.85, -12.14, 13.94
CIElCh	90, 18.484, 131.060
Yxy	75.9829, 0.3206, 0.3657
Android (android.graphics.Color)	4292208839 (0xFFD5E8C7)
YUV	222.5570, -11.6136, -8.3815
Hunter-Lab	87.1682, -16.1508, 16.6778

Details

The RYB color **199, 232, 218** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **218, 199, 232**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is 255, 255, 255, and **145, 176, 163** is the 20% darker color. If you saturate the color by 10%, you get **176, 232, 208**, and if you desaturate by 10%, it is **222, 232, 228**.

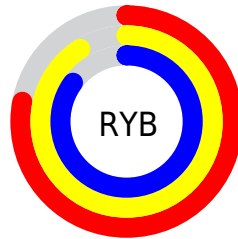
Distribution



Red (84%)

Green (91%)

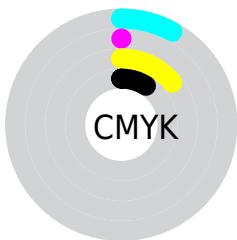
Blue (78%)



Red (78%)

Yellow (91%)

Blue (85%)

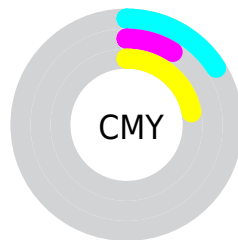


Cyan (8%)

Magenta (0%)

Yellow (14%)

Black (9%)



Cyan (16%)

Magenta (9%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 232, 218 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 199, 232, 218 by changing the saturation by 10% instead.

■ 199, 232, 218

255, 255, 255

■ 199, 232, 218

■ 172, 204, 191

■ 145, 176, 163

■ 119, 150, 137

■ 95, 124, 112

■ 71, 99, 88

■ 48, 75, 64

■ 27, 52, 42

■ 1, 31, 14

■ 0, 0, 0

 199, 232, 218

 199, 232, 218

 176, 232, 208

 222, 232, 228

 153, 232, 199

 240, 232, 245

 129, 232, 188

 253, 232, 255

 106, 232, 178

 255, 232, 255

 83, 232, 169

 60, 232, 159

 37, 232, 150

 13, 232, 139

 0, 232, 134

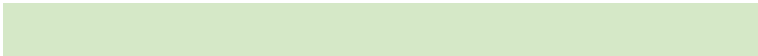
Harmonies

Analogous

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



198, 233, 191



199, 232, 218



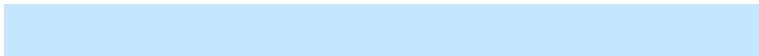
194, 222, 235

Triad

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



199, 232, 218



194, 217, 255



255, 214, 220

Complementary

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



199, 232, 218



218, 199, 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.



255, 215, 238



199, 232, 218



215, 223, 255

Square

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



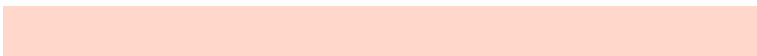
199, 232, 218



181, 211, 248



237, 219, 253



255, 220, 203

Rectangle

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



199, 232, 218



185, 213, 236



237, 219, 253



255, 214, 226

Sweetspot

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



199, 232, 218



245, 255, 251



223, 232, 199



121, 128, 125



0, 0, 0



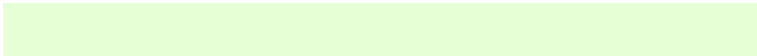
128, 128, 128

Same Dimension

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



199, 232, 218



212, 255, 237



199, 230, 232



103, 115, 110



0, 179, 103



0, 51, 29

Inverse Universe

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



218, 199, 232



237, 212, 255



232, 199, 230



110, 103, 115



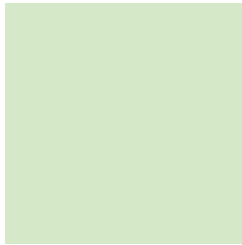
103, 0, 179



29, 0, 51

Previews

White Background



This preview shows how the RYB color 199, 232, 218 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 199, 232, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

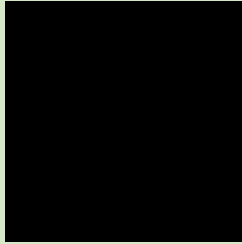
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

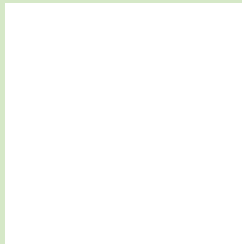
Any Text WCAG AAA ✓ Pass

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

R/Y/B 199, 232, 218 Background



This preview shows how black text looks on a background with the RYB color 199, 232, 218.

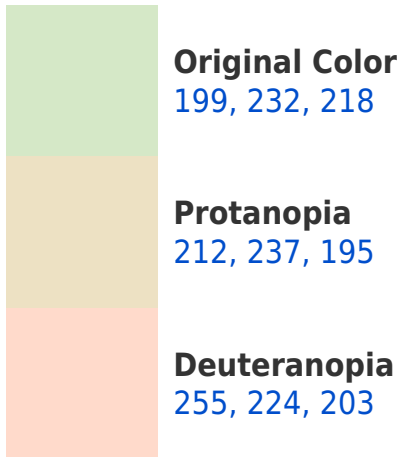


This preview shows how white text looks on a background with the RYB color 199, 232, 218.

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](#).

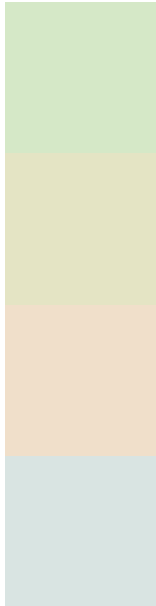
Dichromacy





Tritanopia
220, 225, 244

Trichromacy



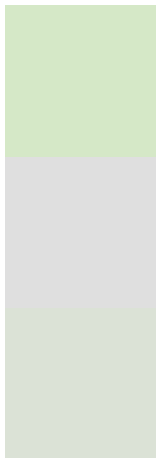
Original Color
199, 232, 218

Protanomaly
196, 228, 196

Deuteranomaly
233, 240, 202

Tritanomaly
217, 223, 228

Monochromacy



Original Color
199, 232, 218

Achromatopsia
223, 223, 223

Achromatomaly
214, 226, 221

CSS Examples

Text

The CSS property to change the color of the text to RGB 199, 232, 218 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(213, 232, 199)` looks like.

```
.text, #text, p{  
    color:rgb(213, 232, 199)  
}
```

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(213, 232, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 232, 199) }
```

Border

The CSS property to change the border of an element to RYB 199, 232, 218 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(213, 232, 199) }
```

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

```
.border{ border-color:rgb(213, 232, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 232, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 232, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 232, 199);  
box-shadow:4px 4px 4px 4px rgb(213, 232,  
199) }
```

Background

The CSS property to change the background color of an element to RYB 199, 232, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 232, 199) }
```

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

```
.background{ background-color: rgb(213,  
232, 199) }
```

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