

Converting Colors

`RYB(199, 230, 217)`

Have a look what the booklet for RYB(199, 230, 217) contains.

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Color

R_YB(199, 230, 217)

Conversions

Conversions Part 1

Format	Color
Hex	D4E6C7
RGB	212, 230, 199
RGB Percent	83%, 90%, 78%
CMY	0.1686, 0.0980, 0.2196
CMYK	0.08, 0.00, 0.13, 0.10
HSL	95°, 38%, 84%
HSV	95°, 13%, 90%
XYZ	65.7570, 74.7142, 64.9883
YIQ	221.0840, -0.7770, -13.4570

Conversions

Conversions Part 2

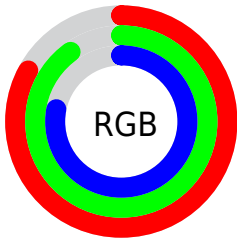
Format	Color
RYB	199, 230, 217
Decimal	13952711
CIELab	89.26, -11.48, 13.09
CIElCh	89, 17.412, 131.261
Yxy	74.7142, 0.3200, 0.3636
Android (android.graphics.Color)	4292142791 (0xFFD4E6C7)
YUV	221.0840, -10.8874, -7.9667
Hunter-Lab	86.4374, -15.4720, 15.9287

Details

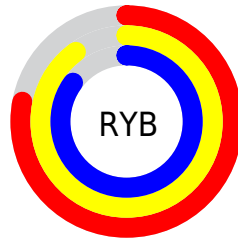
The RYB color **199, 230, 217** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **217, 199, 230**, and the grayscale version is **221, 221, 221**.

A 20% lighter version of the original color is **255, 255, 255**, and **145, 174, 162** is the 20% darker color. If you saturate the color by 10%, you get **176, 230, 207**, and if you desaturate by 10%, it is **222, 230, 227**.

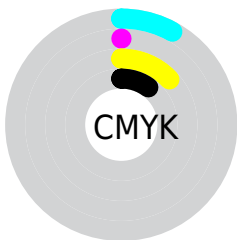
Distribution



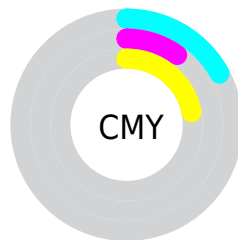
- Red (83%)
- Green (90%)
- Blue (78%)



- Red (78%)
- Yellow (90%)
- Blue (85%)



- Cyan (8%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)



- Cyan (17%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 230, 217 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, 230, 217 by changing the saturation by 10% instead.

■ 199, 230, 217

255, 255, 255

■ 199, 230, 217

■ 172, 202, 190

■ 145, 174, 162

■ 119, 148, 136

■ 95, 122, 111

■ 71, 97, 87

■ 48, 73, 63

■ 27, 51, 42

■ 1, 30, 14

■ 0, 0, 0

 199, 230, 217

 199, 230, 217

 176, 230, 207

 222, 230, 227

 153, 230, 198

 239, 230, 245

 130, 230, 188

 252, 230, 255

 107, 230, 178

 255, 230, 255

 84, 230, 169

 61, 230, 159

 38, 230, 149

 15, 230, 140

 0, 230, 134

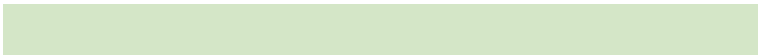
Harmonies

Analogous

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



199, 231, 192



199, 230, 217



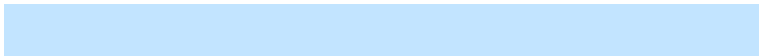
194, 220, 233

Triad

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



199, 230, 217



194, 216, 255



255, 213, 218

Complementary

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



199, 230, 217



217, 199, 230

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.



251, 214, 235



199, 230, 217



214, 222, 255

Square

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



199, 230, 217



183, 211, 246



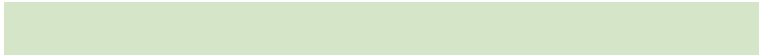
235, 218, 249



255, 219, 203

Rectangle

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



199, 230, 217



186, 213, 234



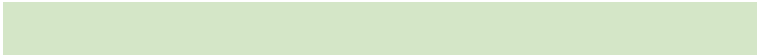
235, 218, 249



255, 213, 224

Sweetspot

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



199, 230, 217



245, 255, 251



221, 230, 199



121, 128, 125



0, 0, 0



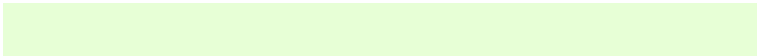
128, 128, 128

Same Dimension

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



199, 230, 217



214, 255, 238



199, 228, 230



103, 115, 110



0, 179, 104



0, 51, 30

Inverse Universe

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



217, 199, 230



238, 214, 255



230, 199, 228



110, 103, 115



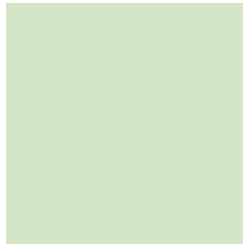
104, 0, 179



30, 0, 51

Previews

White Background



This preview shows how the RYB color 199, 230, 217 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, 230, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

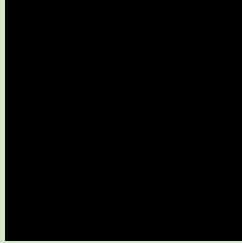
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

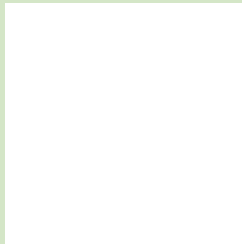
Any Text WCAG AAA ✓ Pass

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

R Y B 199, 230, 217 Background



This preview shows how black text looks on a background with the RYB color 199, 230, 217.

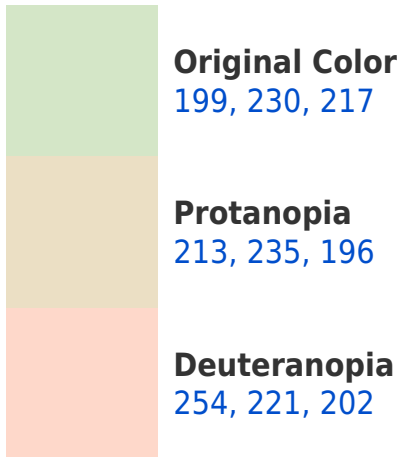


This preview shows how white text looks on a background with the RYB color 199, 230, 217.

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](#).

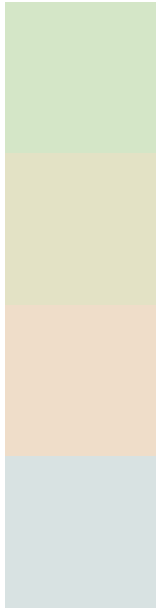
Dichromacy





Tritanopia
219, 223, 242

Trichromacy



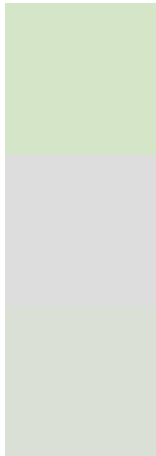
Original Color
199, 230, 217

Protanomaly
198, 227, 197

Deuteranomaly
235, 239, 201

Tritanomaly
216, 221, 226

Monochromacy



Original Color
199, 230, 217

Achromatopsia
221, 221, 221

Achromatomaly
213, 224, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 230, 217 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, 230, 199)` looks like.

```
.text, #text, p{  
    color:rgb(212, 230, 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(212, 230, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 230, 199) }
```

Border

The CSS property to change the border of an element to RYB 199, 230, 217 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, 230, 199) }
```

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

```
.border{ border-color:rgb(212, 230, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 230, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 230, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 230, 199);  
box-shadow:4px 4px 4px 4px rgb(212, 230,  
199) }
```

Background

The CSS property to change the background color of an element to RYB 199, 230, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 230, 199) }
```

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

```
.background{ background-color: rgb(212,  
230, 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](#).

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