

Converting Colors

`RYB(196, 221, 212)`

Have a look what the booklet for
RYB(196, 221, 212) contains.

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Color

R_YB(196, 221, 212)

Conversions

Conversions Part 1

Format	Color
Hex	CDDDC4
RGB	205, 221, 196
RGB Percent	80%, 87%, 77%
CMY	0.1961, 0.1333, 0.2314
CMYK	0.07, 0.00, 0.11, 0.13
HSL	98°, 27%, 82%
HSV	98°, 11%, 87%
XYZ	60.9971, 68.6776, 62.2658
YIQ	213.3660, -1.5110, -11.1670

Conversions

Conversions Part 2

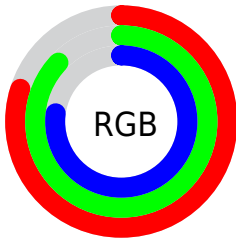
Format	Color
RYB	196, 221, 212
Decimal	13491652
CIELab	86.34, -9.86, 10.45
CIELCh	86, 14.365, 133.333
Yxy	68.6776, 0.3178, 0.3578
Android (android.graphics.Color)	4291681732 (0xFFCDDDC4)
YUV	213.3660, -8.5614, -7.3370
Hunter-Lab	82.8719, -13.6426, 13.4629

Details

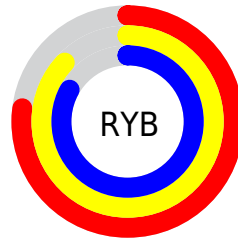
The RYB color **196, 221, 212** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **212, 196, 221**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **253, 255, 253**, and **142, 166, 157** is the 20% darker color. If you saturate the color by 10%, you get **174, 221, 204**, and if you desaturate by 10%, it is **218, 221, 220**.

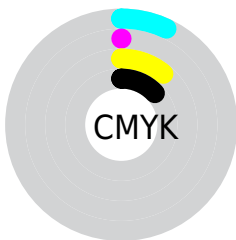
Distribution



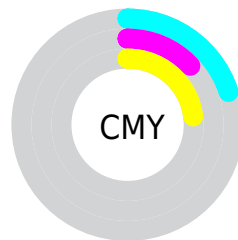
- Red (80%)
- Green (87%)
- Blue (77%)



- Red (77%)
- Yellow (87%)
- Blue (83%)



- Cyan (7%)
- Magenta (0%)
- Yellow (11%)
- Black (13%)



- Cyan (20%)
- Magenta (13%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 221, 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 196, 221, 212 by changing the saturation by 10% instead.

■ 196, 221, 212

255, 255, 255

253, 255, 253

■ 196, 221, 212

■ 169, 193, 185

■ 142, 166, 157

■ 117, 140, 132

■ 92, 114, 106

■ 68, 90, 82

■ 46, 66, 59

■ 25, 44, 38

■ 0, 24, 15

■ 0, 0, 0

■ 196, 221, 212

■ 196, 221, 212

■ 174, 221, 204

■ 218, 221, 220

■ 152, 221, 196

■ 233, 221, 240

■ 130, 221, 188

■ 247, 221, 255

■ 108, 221, 181

■ 255, 221, 255

■ 86, 221, 173

■ 63, 221, 164

■ 41, 221, 156

■ 19, 221, 148

■ 0, 221, 141

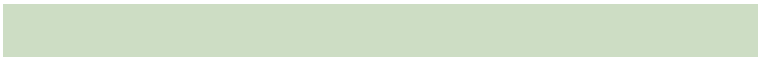
Harmonies

Analogous

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



195, 221, 190



196, 221, 212



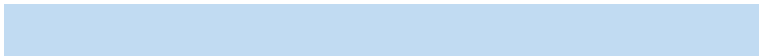
191, 213, 224

Triad

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



196, 221, 212



193, 210, 242



245, 207, 210

Complementary

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



196, 221, 212



212, 196, 221

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.



239, 208, 224



196, 221, 212



209, 214, 242

Square

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



196, 221, 212



183, 205, 234



226, 211, 236



243, 213, 198

Rectangle

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



196, 221, 212



184, 206, 224



226, 211, 236



244, 207, 215

Sweetspot

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



196, 221, 212



247, 255, 252



210, 221, 196



122, 128, 126



0, 0, 0



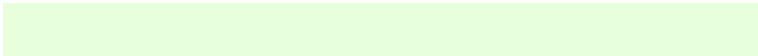
128, 128, 128

Same Dimension

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



196, 221, 212



219, 255, 242



196, 218, 221



99, 110, 106



0, 173, 111



0, 46, 29

Inverse Universe

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



212, 196, 221



242, 219, 255



221, 196, 218



106, 99, 110



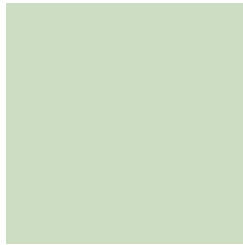
111, 0, 173



29, 0, 46

Previews

White Background



This preview shows how the RYB color 196, 221, 212 looks on a white background.

Color Contrast Check

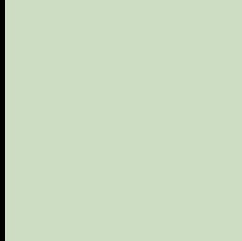
Large Text (above 18pt) WCAG AA × Fail

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 196, 221, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

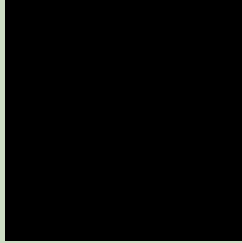
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

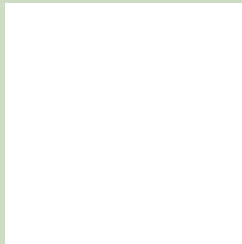
Any Text WCAG AAA ✓ Pass

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

RYB 196, 221, 212 Background



This preview shows how black text looks on a background with the RYB color 196, 221, 212.



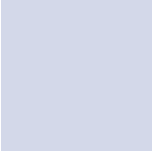
This preview shows how white text looks on a background with the RYB color 196, 221, 212.

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](#).

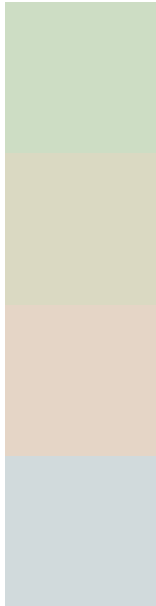
Dichromacy





Tritanopia
211, 215, 233

Trichromacy



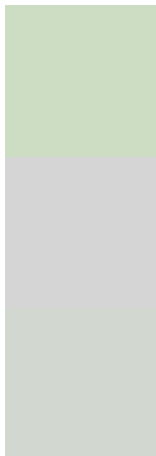
Original Color
196, 221, 212

Protanomaly
195, 218, 194

Deuteranomaly
229, 227, 198

Tritanomaly
209, 214, 220

Monochromacy



Original Color
196, 221, 212

Achromatopsia
213, 213, 213

Achromatomaly
207, 216, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 221, 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(205, 221, 196) looks like.

```
.text, #text, p{  
    color:rgb(205, 221, 196)  
}
```

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(205, 221, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 221, 196) }
```

Border

The CSS property to change the border of an element to RYB 196, 221, 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(205, 221, 196) }
```

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

```
.border{ border-color:rgb(205, 221, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 221, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 221, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 221, 196);  
box-shadow:4px 4px 4px 4px rgb(205, 221,  
196) }
```

Background

The CSS property to change the background color of an element to RYB 196, 221, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 221, 196) }
```

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

```
.background{ background-color: rgb(205,  
221, 196) }
```

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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