

Converting Colors

`RYB(196, 222, 206)`

Have a look what the booklet for
RYB(196, 222, 206) contains.

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Color

R_YB(196, 222, 206)

Conversions

Conversions Part 1

Format	Color
Hex	D4DEC4
RGB	212, 222, 196
RGB Percent	83%, 87%, 77%
CMY	0.1686, 0.1294, 0.2314
CMYK	0.05, 0.00, 0.12, 0.13
HSL	83°, 28%, 82%
HSV	83°, 12%, 87%
XYZ	63.2365, 70.2251, 62.4464
YIQ	216.0460, 2.3860, -10.2060

Conversions

Conversions Part 2

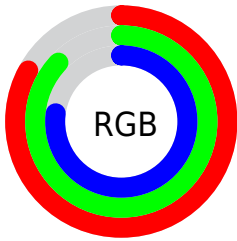
Format	Color
RYB	196, 222, 206
Decimal	13950660
CIELab	87.11, -7.93, 11.60
CIELCh	87, 14.056, 124.356
Yxy	70.2251, 0.3228, 0.3585
Android (android.graphics.Color)	4292140740 (0xFFD4DEC4)
YUV	216.0460, -9.8827, -3.5483
Hunter-Lab	83.8004, -11.9533, 14.4786

Details

The RYB color **196, 222, 206** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **206, 196, 222**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is **253, 255, 253**, and **142, 167, 152** is the 20% darker color. If you saturate the color by 10%, you get **174, 222, 193**, and if you desaturate by 10%, it is **218, 222, 219**.

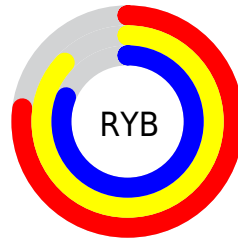
Distribution



Red (83%)

Green (87%)

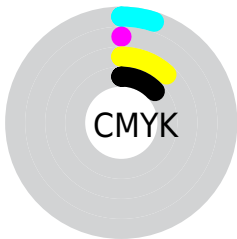
Blue (77%)



Red (77%)

Yellow (87%)

Blue (81%)

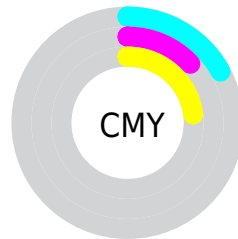


Cyan (5%)

Magenta (0%)

Yellow (12%)

Black (13%)



Cyan (17%)

Magenta (13%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 222, 206 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, 222, 206 by changing the saturation by 10% instead.


 196, 222, 206

 196, 222, 206


255, 255, 255


 169, 194, 179

253, 255, 253

 142, 167, 152

 117, 141, 127

 92, 115, 101

 68, 90, 76

 46, 67, 54

 25, 45, 33

 0, 24, 7

 0, 0, 0

■ 196, 222, 206

■ 196, 222, 206

■ 174, 222, 193

■ 218, 222, 219

■ 152, 222, 179

■ 229, 222, 240

■ 129, 222, 165

■ 238, 222, 255

■ 107, 222, 151

■ 246, 222, 255

■ 85, 222, 138

■ 255, 222, 255

■ 63, 222, 124

■ 41, 222, 111

■ 18, 222, 96

■ 0, 222, 85

Harmonies

Analogous

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



204, 227, 192



196, 222, 206



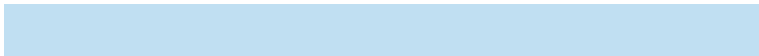
197, 218, 225

Triad

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



196, 222, 206



192, 211, 242



246, 209, 217

Complementary

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



196, 222, 206



206, 196, 222

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.



238, 211, 230



196, 222, 206



206, 216, 245

Square

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



196, 222, 206



185, 207, 233



223, 214, 240



246, 211, 204

Rectangle

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



196, 222, 206



190, 211, 226



223, 214, 240



244, 209, 221

Sweetspot

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



196, 222, 206



245, 255, 249



222, 212, 196



121, 128, 124



0, 0, 0



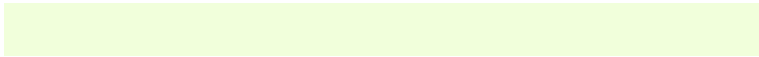
128, 128, 128

Same Dimension

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



196, 222, 206



219, 255, 233



196, 222, 219



101, 112, 105



0, 176, 68



0, 48, 18

Inverse Universe

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



206, 196, 222



233, 219, 255



219, 196, 222



105, 101, 112



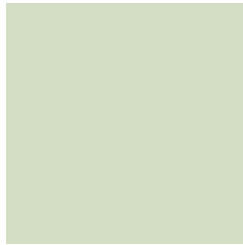
68, 0, 176



19, 0, 48

Previews

White Background



This preview shows how the RYB color 196, 222, 206 looks on a white background.

Color Contrast Check

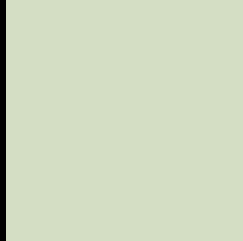
Large Text (above 18pt) WCAG AA × Fail

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, 222, 206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

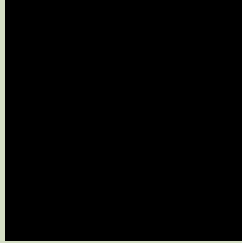
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

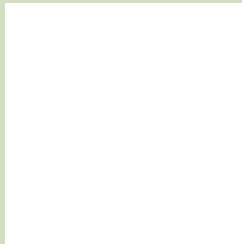
Any Text WCAG AAA ✓ Pass

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

RYB 196, 222, 206 Background



This preview shows how black text looks on a background with the RYB color 196, 222, 206.



This preview shows how white text looks on a background with the RYB color 196, 222, 206.

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](#).

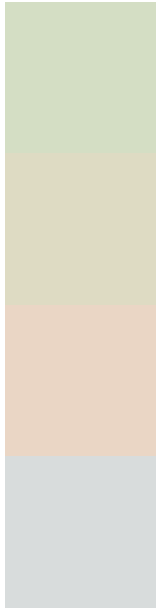
Dichromacy





Tritanopia
218, 217, 234

Trichromacy



Original Color

196, 222, 206

Protanomaly

198, 222, 195

Deuteranomaly

234, 228, 197

Tritanomaly

216, 218, 220

Monochromacy



Original Color

196, 222, 206

Achromatopsia

216, 216, 216

Achromatomaly

209, 218, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 222, 206 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, 222, 196)` looks like.

```
.text, #text, p{  
    color:rgb(212, 222, 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(212, 222, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 222, 196) }
```

Border

The CSS property to change the border of an element to RYB 196, 222, 206 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, 222, 196) }
```

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

```
.border{ border-color:rgb(212, 222, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 222, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 222, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 222, 196);  
box-shadow:4px 4px 4px 4px rgb(212, 222,  
196) }
```

Background

The CSS property to change the background color of an element to RYB 196, 222, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 222, 196) }
```

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

```
.background{ background-color: rgb(212,  
222, 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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