

Converting Colors

`RYB(196, 233, 208)`

Have a look what the booklet for
RYB(196, 233, 208) contains.

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Color

R_YB(196, 233, 208)

Conversions

Conversions Part 1

Format	Color
Hex	DDE9C4
RGB	221, 233, 196
RGB Percent	87%, 91%, 77%
CMY	0.1333, 0.0863, 0.2314
CMYK	0.05, 0.00, 0.16, 0.09
HSL	79°, 46%, 84%
HSV	79°, 16%, 91%
XYZ	68.9215, 77.6355, 63.5772
YIQ	225.1940, 4.7250, -14.0510

Conversions

Conversions Part 2

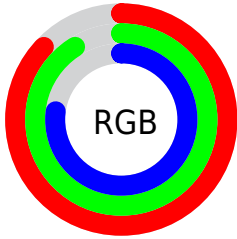
Format	Color
RYB	196, 233, 208
Decimal	14543300
CIELab	90.61, -10.34, 16.65
CIELCh	91, 19.600, 121.833
Yxy	77.6355, 0.3280, 0.3695
Android (android.graphics.Color)	4292733380 (0xFFDDE9C4)
YUV	225.1940, -14.3926, -3.6781
Hunter-Lab	88.1110, -14.5694, 18.8966

Details

The RYB color **196, 233, 208** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **208, 196, 233**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **253, 255, 253**, and **142, 177, 153** is the 20% darker color. If you saturate the color by 10%, you get **173, 233, 193**, and if you desaturate by 10%, it is **219, 233, 223**.

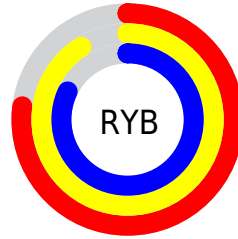
Distribution



Red (87%)

Green (91%)

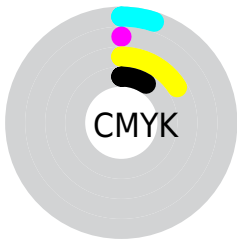
Blue (77%)



Red (77%)

Yellow (91%)

Blue (82%)

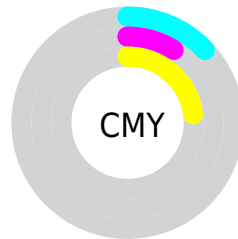


Cyan (5%)

Magenta (0%)

Yellow (16%)

Black (9%)



Cyan (13%)

Magenta (9%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 233, 208 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, 233, 208 by changing the saturation by 10% instead.

■ 196, 233, 208

255, 255, 255

253, 255, 253

■ 196, 233, 208

■ 169, 205, 181

■ 142, 177, 153

■ 117, 151, 129

■ 92, 125, 103

■ 68, 100, 79

■ 46, 76, 57

■ 24, 53, 34

■ 0, 32, 8

■ 0, 4, 4

196, 233, 208

196, 233, 208

173, 233, 193

219, 233, 223

149, 233, 176

236, 233, 243

126, 233, 161

244, 233, 255

103, 233, 145

251, 233, 255

80, 233, 130

255, 233, 255

56, 233, 113

33, 233, 98

10, 233, 82

0, 233, 76

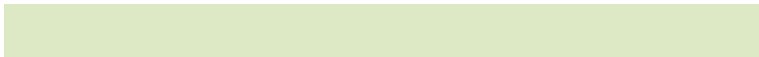
Harmonies

Analogous

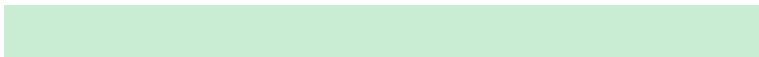
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



212, 242, 191



196, 233, 208



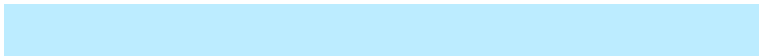
200, 229, 237

Triad

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



196, 233, 208



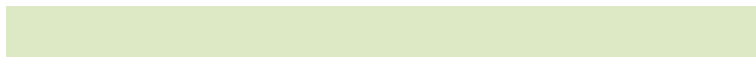
188, 216, 255



255, 215, 228

Complementary

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



196, 233, 208



208, 196, 233

Split Complementary

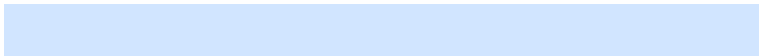
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



254, 218, 246



196, 233, 208



209, 223, 255

Square

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



196, 233, 208



179, 211, 247



233, 223, 255



255, 217, 209

Rectangle

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



196, 233, 208



188, 219, 239



233, 223, 255



255, 216, 234

Sweetspot

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



196, 233, 208



242, 255, 246



233, 214, 196



120, 128, 123



0, 0, 0



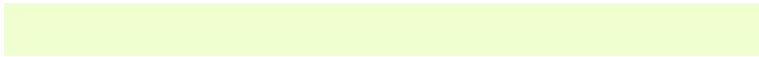
128, 128, 128

Same Dimension

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



196, 233, 208



207, 255, 223



196, 233, 226



106, 117, 110



0, 181, 59



0, 54, 18

Inverse Universe

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



208, 196, 233



222, 207, 255



226, 196, 233



109, 106, 117



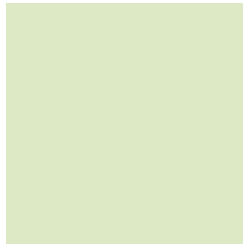
59, 0, 181



17, 0, 54

Previews

White Background



This preview shows how the RYB color 196, 233, 208 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, 233, 208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

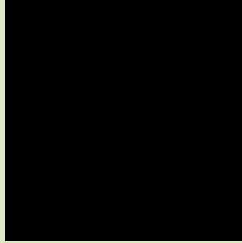
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

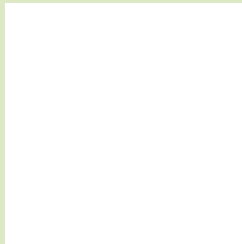
Any Text WCAG AAA ✓ Pass

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

RYB 196, 233, 208 Background



This preview shows how black text looks on a background with the RYB color 196, 233, 208.

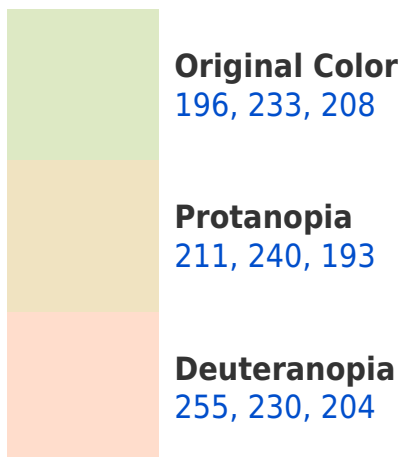


This preview shows how white text looks on a background with the RYB color 196, 233, 208.

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

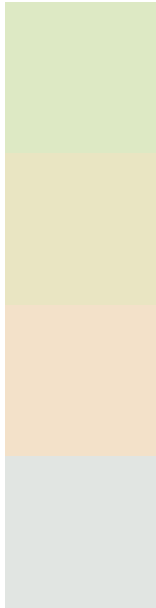




Tritanopia

228, 226, 244

Trichromacy



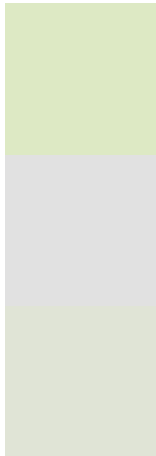
Original Color
196, 233, 208

Protanomaly
198, 233, 194

Deuteranomaly
233, 243, 201

Tritanomaly
225, 228, 229

Monochromacy



Original Color
196, 233, 208

Achromatopsia
225, 225, 225

Achromatomaly
214, 228, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 233, 208 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(221, 233, 196)` looks like.

```
.text, #text, p{  
    color:rgb(221, 233, 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(221, 233, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 233, 196) }
```

Border

The CSS property to change the border of an element to RYB 196, 233, 208 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(221, 233, 196) }
```

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

```
.border{ border-color:rgb(221, 233, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 233, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 233, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 233, 196);  
box-shadow:4px 4px 4px 4px rgb(221, 233,  
196) }
```

Background

The CSS property to change the background color of an element to RYB 196, 233, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 233, 196) }
```

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

```
.background{ background-color: rgb(221,  
233, 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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