

Converting Colors

`RYB(202, 236, 210)`

Have a look what the booklet for
RYB(202, 236, 210) contains.

RYB(202, 236, 210)	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(202, 236, 210)

Conversions

Conversions Part 1

Format	Color
Hex	E4ECCA
RGB	228, 236, 202
RGB Percent	89%, 93%, 79%
CMY	0.1059, 0.0745, 0.2078
CMYK	0.03, 0.00, 0.14, 0.07
HSL	74°, 47%, 86%
HSV	74°, 14%, 93%
XYZ	72.6510, 80.7492, 67.6341
YIQ	229.7320, 6.1460, -12.2700

Conversions

Conversions Part 2

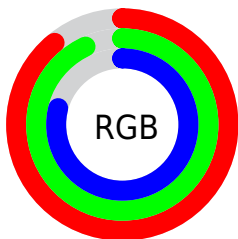
Format	Color
R_{YB}	202, 236, 210
Decimal	15002826
CIE _{Lab}	92.02, -8.44, 15.59
CIE _{LCh}	92, 17.732, 118.424
Yxy	80.7492, 0.3287, 0.3653
Android (android.graphics.Color)	4293192906 (0xFFE4ECCA)
YUV	229.7320, -13.6719, -1.5190
Hunter-Lab	89.8605, -12.9411, 18.2774

Details

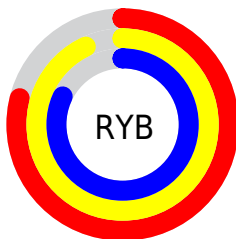
The RYB color **202, 236, 210** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **210, 202, 236**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is **255, 255, 255**, and **148, 180, 156** is the 20% darker color. If you saturate the color by 10%, you get **178, 236, 192**, and if you desaturate by 10%, it is **226, 236, 228**.

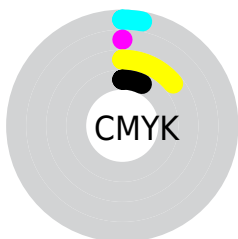
Distribution



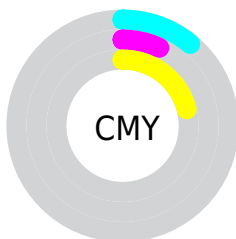
- Red (89%)
- Green (93%)
- Blue (79%)



- Red (79%)
- Yellow (93%)
- Blue (82%)



- Cyan (3%)
- Magenta (0%)
- Yellow (14%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 236, 210 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 202, 236, 210 by changing the saturation by 10% instead.

■ 202, 236, 210

255, 255, 255

■ 202, 236, 210

■ 175, 208, 183

■ 148, 180, 156

■ 122, 153, 129

■ 97, 128, 105

■ 73, 102, 80

■ 51, 78, 58

■ 29, 56, 37

■ 5, 34, 11

■ 0, 13, 13

 202, 236, 210


 202, 236, 210

 178, 236, 192

 226, 236, 228

 155, 236, 174

 239, 236, 249

 131, 236, 156

 245, 236, 255

 108, 236, 138

 250, 236, 255

 84, 236, 120

 255, 236, 255

 60, 236, 101

 37, 236, 84

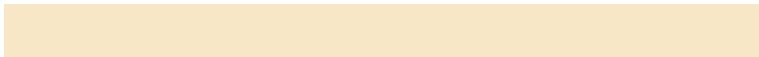
 13, 236, 65

 0, 236, 56

Harmonies

Analogous

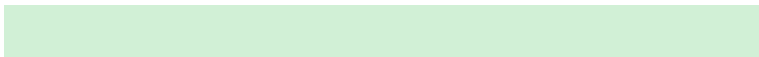
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



222, 247, 198



202, 236, 210



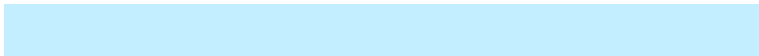
209, 236, 240

Triad

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



202, 236, 210



195, 220, 255



255, 221, 234

Complementary

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



202, 236, 210



210, 202, 236

Split Complementary

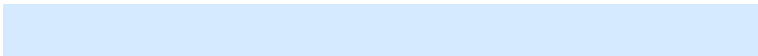
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



254, 223, 250



202, 236, 210



213, 227, 255

Square

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



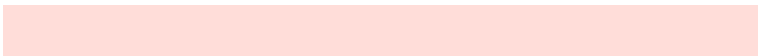
202, 236, 210



188, 216, 248



234, 228, 255



255, 221, 217

Rectangle

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



202, 236, 210



198, 225, 242



234, 228, 255



255, 221, 239

Sweetspot

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



202, 236, 210



245, 255, 247



236, 212, 202



121, 128, 123



0, 0, 0



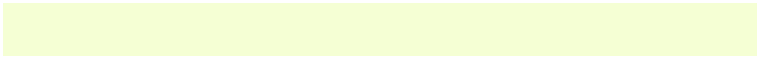
128, 128, 128

Same Dimension

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



202, 236, 210



212, 255, 222



202, 236, 227



106, 117, 108



0, 181, 43



0, 54, 13

Inverse Universe

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



210, 202, 236



222, 212, 255



227, 202, 236



108, 106, 117



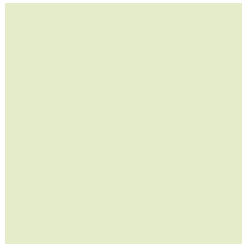
43, 0, 181



13, 0, 54

Previews

White Background



This preview shows how the RYB color 202, 236, 210 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 202, 236, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

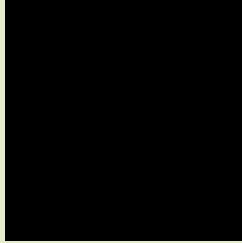
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

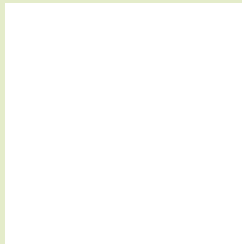
Any Text WCAG AAA ✓ Pass

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

RYB 202, 236, 210 Background



This preview shows how black text looks on a background with the RYB color 202, 236, 210.

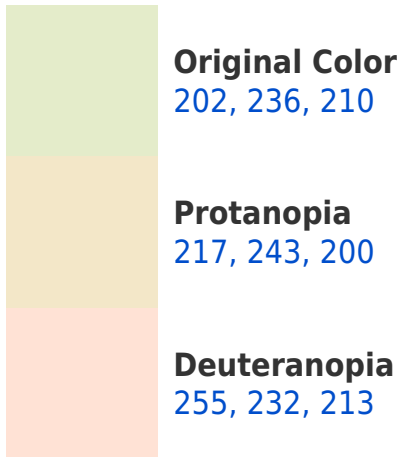


This preview shows how white text looks on a background with the RYB color 202, 236, 210.

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](#).

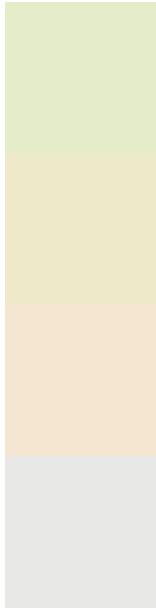
Dichromacy





Tritanopia
235, 230, 248

Trichromacy



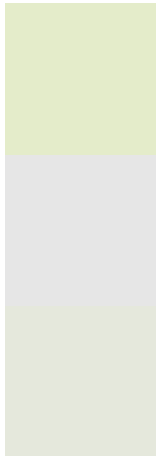
Original Color
202, 236, 210

Protanomaly
207, 238, 201

Deuteranomaly
235, 245, 209

Tritanomaly
231, 232, 231

Monochromacy



Original Color
202, 236, 210

Achromatopsia
230, 230, 230

Achromatomaly
220, 232, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 236, 210 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(228, 236, 202)` looks like.

```
.text, #text, p{  
    color:rgb(228, 236, 202)  
}
```

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(228, 236, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 236, 202) }
```

Border

The CSS property to change the border of an element to RYB 202, 236, 210 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(228, 236, 202) }
```

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

```
.border{ border-color:rgb(228, 236, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 236, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 236, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 236, 202);  
box-shadow:4px 4px 4px 4px rgb(228, 236,  
202) }
```

Background

The CSS property to change the background color of an element to RGB 228, 236, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 236, 202) }
```

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

```
.background{ background-color: rgb(228,  
236, 202) }
```

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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