

Converting Colors

`RYB(168, 231, 189)`

Have a look what the booklet for
RYB(168, 231, 189) contains.

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Color

R_YB(168, 231, 189)

Conversions

Conversions Part 1

Format	Color
Hex	D2E7A8
RGB	210, 231, 168
RGB Percent	82%, 91%, 66%
CMY	0.1765, 0.0941, 0.3412
CMYK	0.09, 0.00, 0.27, 0.09
HSL	80°, 57%, 78%
HSV	80°, 27%, 91%
XYZ	62.2221, 73.6806, 47.9881
YIQ	217.5390, 7.7070, -24.0450

Conversions

Conversions Part 2

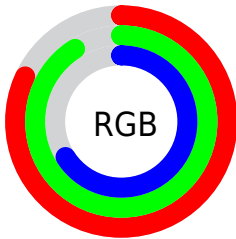
Format	Color
RYB	168, 231, 189
Decimal	13821864
CIELab	88.77, -17.45, 28.44
CIELCh	89, 33.366, 121.536
Yxy	73.6806, 0.3384, 0.4007
Android (android.graphics.Color)	4292011944 (0xFFD2E7A8)
YUV	217.5390, -24.4227, -6.6117
Hunter-Lab	85.8374, -20.8237, 26.9396

Details

The RYB color **168, 231, 189** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **189, 168, 231**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **224, 255, 224**, and **115, 175, 135** is the 20% darker color. If you saturate the color by 10%, you get **145, 231, 174**, and if you desaturate by 10%, it is **191, 231, 204**.

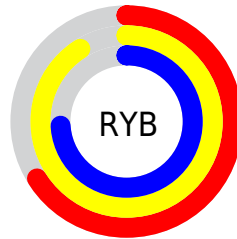
Distribution



Red (82%)

Green (91%)

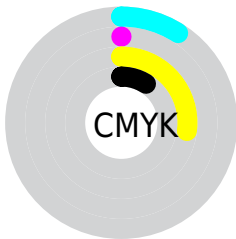
Blue (66%)



Red (66%)

Yellow (91%)

Blue (74%)

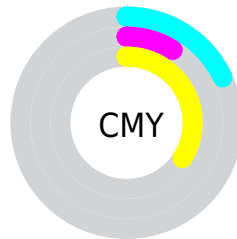


Cyan (9%)

Magenta (0%)

Yellow (27%)

Black (9%)



Cyan (18%)

Magenta (9%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 231, 189 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 168, 231, 189 by changing the saturation by 10% instead.

 168, 231, 189

255, 255, 255


 224, 255, 224

 252, 255, 252


 168, 231, 189


 141, 203, 162

 115, 175, 135

 90, 149, 111

 66, 123, 86

 43, 98, 63

 20, 74, 40

 0, 51, 19


 0, 31, 27

 0, 0, 0

 168, 231, 189

 168, 231, 189

 145, 231, 174

 191, 231, 204

 122, 231, 158

 214, 231, 220

 99, 231, 143

 233, 231, 237

 76, 231, 128

 241, 231, 255

 52, 231, 112

 249, 231, 255

 29, 231, 96

 255, 231, 255

 6, 231, 81

 0, 231, 77

Harmonies

Analogous

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



191, 244, 159



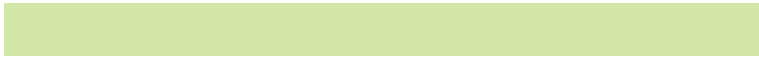
168, 231, 189



173, 223, 238

Triad

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



168, 231, 189



144, 194, 255



255, 200, 222

Complementary

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



168, 231, 189



189, 168, 231

Split Complementary

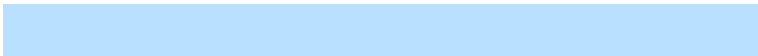
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 204, 254



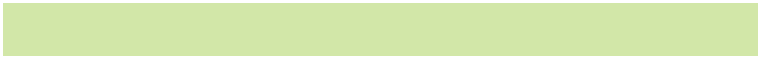
168, 231, 189



185, 210, 255

Square

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



168, 231, 189



126, 187, 255



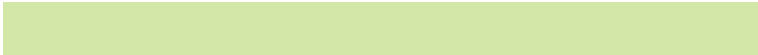
230, 214, 255



255, 204, 191

Rectangle

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



168, 231, 189



150, 203, 240



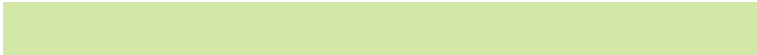
230, 214, 255



255, 200, 233

Sweetspot

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



168, 231, 189



235, 255, 242



231, 200, 168



115, 128, 120



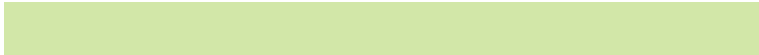
0, 0, 0



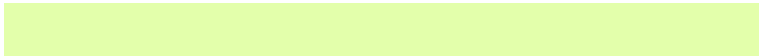
128, 128, 128

Same Dimension

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



168, 231, 189



171, 255, 199



168, 231, 220



103, 115, 107



0, 179, 60



0, 51, 17

Inverse Universe

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



189, 168, 231



199, 171, 255



221, 168, 231



107, 103, 115



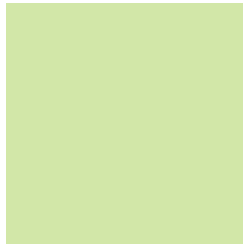
59, 0, 179



17, 0, 51

Previews

White Background



This preview shows how the RYB color 168, 231, 189 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 168, 231, 189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

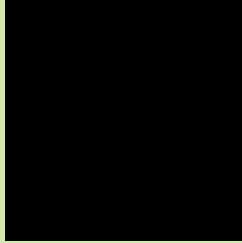
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

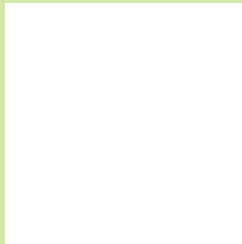
Any Text WCAG AAA ✓ Pass

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

RYB 168, 231, 189 Background



This preview shows how black text looks on a background with the RYB color 168, 231, 189.

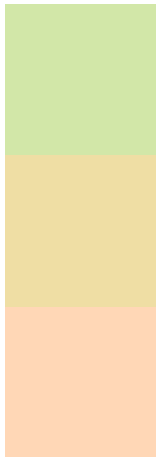


This preview shows how white text looks on a background with the RYB color 168, 231, 189.

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



Original Color
168, 231, 189

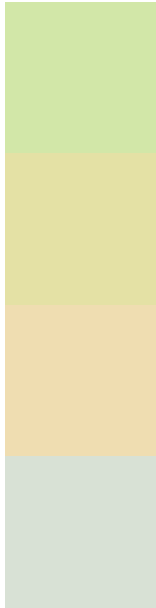
Protanopia
186, 239, 164

Deuteranopia
255, 242, 182



Tritanopia
220, 222, 239

Trichromacy



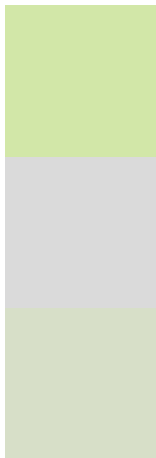
Original Color
168, 231, 189

Protanomaly
168, 228, 165

Deuteranomaly
202, 239, 177

Tritanomaly
213, 225, 222

Monochromacy



Original Color
168, 231, 189

Achromatopsia
218, 218, 218

Achromatomaly
200, 223, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 231, 189 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(210, 231, 168)` looks like.

```
.text, #text, p{  
    color:rgb(210, 231, 168)  
}
```

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(210, 231, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 231, 168) }
```

Border

The CSS property to change the border of an element to RYB 168, 231, 189 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(210, 231, 168) }
```

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

```
.border{ border-color:rgb(210, 231, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 231, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 231, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 231, 168);  
box-shadow:4px 4px 4px 4px rgb(210, 231,  
168) }
```

Background

The CSS property to change the background color of an element to RYB 168, 231, 189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 231, 168) }
```

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

```
.background{ background-color: rgb(210,  
231, 168) }
```

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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