

Converting Colors

`RYB(168, 218, 229)`

Have a look what the booklet for
RYB(168, 218, 229) contains.

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Color

R_YB(168, 218, 229)

Conversions

Conversions Part 1

Format	Color
Hex	A8E5B5
RGB	168, 229, 181
RGB Percent	66%, 90%, 71%
CMY	0.3412, 0.1020, 0.2885
CMYK	0.27, 0.00, 0.21, 0.10
HSL	133°, 54%, 78%
HSV	133°, 27%, 90%
XYZ	52.5514, 67.7169, 54.2433
YIQ	205.2890, -20.9480, -27.8600

Conversions

Conversions Part 2

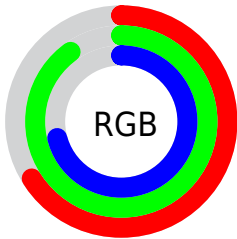
Format	Color
RYB	168, 218, 229
Decimal	11068853
CIELab	85.86, -28.69, 17.08
CIElCh	86, 33.392, 149.234
Yxy	67.7169, 0.3011, 0.3880
Android (android.graphics.Color)	4289258933 (0xFFA8E5B5)
YUV	205.2890, -11.9745, -32.7025
Hunter-Lab	82.2903, -30.0161, 18.5210

Details

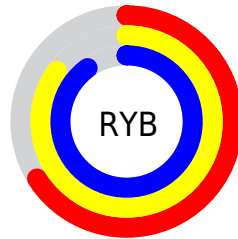
The RYB color **168, 218, 229** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **229, 168, 216**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **224, 246, 255**, and **114, 162, 173** is the 20% darker color. If you saturate the color by 10%, you get **145, 214, 229**, and if you desaturate by 10%, it is **191, 222, 229**.

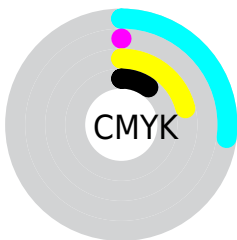
Distribution



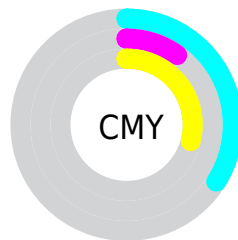
- Red (66%)
- Green (90%)
- Blue (71%)



- Red (66%)
- Yellow (85%)
- Blue (90%)



- Cyan (27%)
- Magenta (0%)
- Yellow (21%)
- Black (10%)



- Cyan (34%)
- Magenta (10%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 218, 229 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, 218, 229 by changing the saturation by 10% instead.


 168, 218, 229

255, 255, 255


 224, 246, 255


253, 254, 255

 168, 218, 229

 141, 190, 201

 114, 162, 173

 89, 135, 146

 63, 108, 120

 38, 81, 95

 8, 53, 71

 0, 38, 48


 0, 29, 29

 0, 0, 0

 168, 218, 229

 168, 218, 229

 145, 214, 229

 191, 222, 229

 122, 209, 229


 214, 227, 229

 99, 205, 229


 237, 229, 235

 76, 201, 229


 255, 229, 253

 53, 197, 229

 255, 229, 255

 31, 194, 229

 8, 190, 229

 0, 188, 229

Harmonies

Analogous

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



159, 222, 176



168, 218, 229



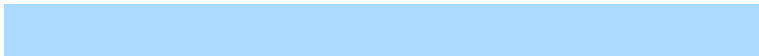
134, 188, 232

Triad

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



168, 218, 229



173, 202, 255



255, 195, 185

Complementary

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



168, 218, 229



229, 168, 216

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, 192, 217



168, 218, 229



218, 207, 255

Square

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



168, 218, 229



132, 186, 255



254, 197, 248



255, 234, 161

Rectangle

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



168, 218, 229



119, 176, 234



254, 197, 248



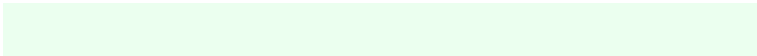
255, 192, 195

Sweetspot

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



168, 218, 229



235, 252, 255



168, 229, 181



115, 126, 128



0, 0, 0



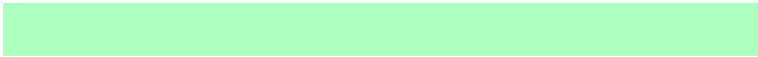
128, 128, 128

Same Dimension

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



168, 218, 229



173, 240, 255



168, 203, 229



103, 113, 115



0, 147, 179



0, 42, 51

Inverse Universe

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



229, 168, 216



255, 173, 237



229, 168, 185



115, 103, 112



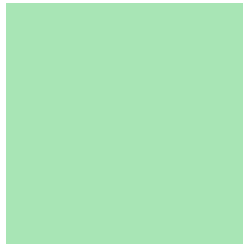
179, 0, 139



51, 0, 40

Previews

White Background



This preview shows how the RYB color 168, 218, 229 looks on a white background.

Color Contrast Check

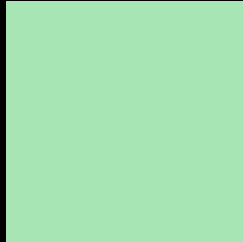
Large Text (above 18pt) WCAG AA × Fail

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, 218, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

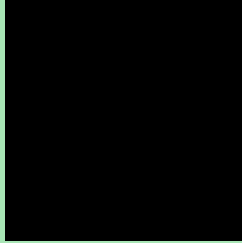
Any Text WCAG AA ✓ Pass

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](#).

R Y B 168, 218, 229 Background



This preview shows how black text looks on a background with the RYB color 168, 218, 229.

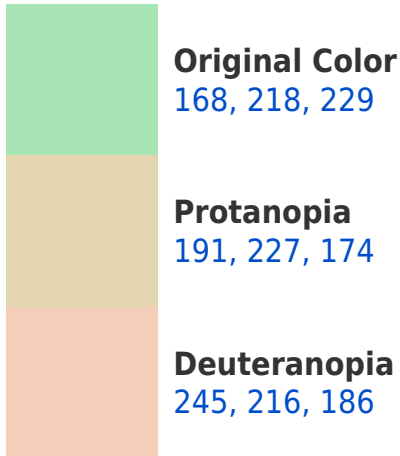


This preview shows how white text looks on a background with the RYB color 168, 218, 229.

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





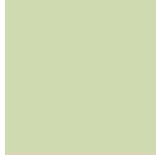
Tritanopia
179, 204, 239

Trichromacy



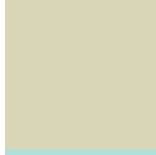
Original Color

168, 218, 229



Protanomaly

177, 219, 190



Deuteranomaly

187, 217, 184



Tritanomaly

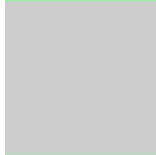
175, 201, 224

Monochromacy



Original Color

168, 218, 229



Achromatopsia

205, 205, 205



Achromatomaly

192, 211, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 218, 229 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(168, 229, 181)` looks like.

```
.text, #text, p{  
    color:rgb(168, 229, 181)  
}
```

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(168, 229, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 229, 181) }
```

Border

The CSS property to change the border of an element to RYB 168, 218, 229 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(168, 229, 181) }
```

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

```
.border{ border-color:rgb(168, 229, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 229, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 229, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 229, 181);  
box-shadow:4px 4px 4px 4px rgb(168, 229,  
181) }
```

Background

The CSS property to change the background color of an element to RYB 168, 218, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 229, 181) }
```

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

```
.background{ background-color: rgb(168,  
229, 181) }
```

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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