

Converting Colors

`RYB(168, 197, 235)`

Have a look what the booklet for
RYB(168, 197, 235) contains.

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Color

R_YB(168, 197, 235)

Conversions

Conversions Part 1

Format	Color
Hex	A8DBEB
RGB	168, 219, 235
RGB Percent	66%, 86%, 92%
CMY	0.3412, 0.1407, 0.0784
CMYK	0.29, 0.07, 0.00, 0.08
HSL	194°, 63%, 79%
HSV	194°, 29%, 92%
XYZ	56.5097, 65.0547, 88.1757
YIQ	205.5750, -35.5320, -5.8360

Conversions

Conversions Part 2

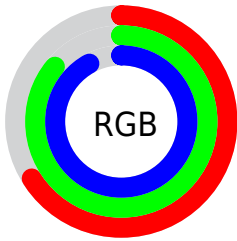
Format	Color
RYB	168, 197, 235
Decimal	11066347
CIELab	84.51, -12.81, -13.12
CIELCh	85, 18.337, 225.701
Yxy	65.0547, 0.2694, 0.3102
Android (android.graphics.Color)	4289256427 (0xFFA8DBEB)
YUV	205.5750, 14.5065, -32.9533
Hunter-Lab	80.6565, -16.0879, -8.3578

Details

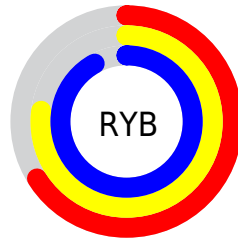
The RYB color **168, 197, 235** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **235, 189, 168**, and the grayscale version is **206, 206, 206**.

A 20% lighter version of the original color is **225, 240, 255**, and **114, 142, 179** is the 20% darker color. If you saturate the color by 10%, you get **145, 184, 235**, and if you desaturate by 10%, it is **192, 211, 235**.

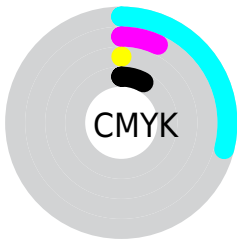
Distribution



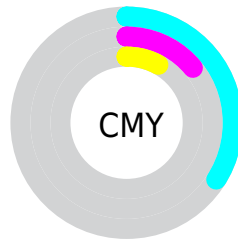
- Red (66%)
- Green (86%)
- Blue (92%)



- Red (66%)
- Yellow (77%)
- Blue (92%)



- Cyan (29%)
- Magenta (7%)
- Yellow (0%)
- Black (8%)



- Cyan (34%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 197, 235 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, 197, 235 by changing the saturation by 10% instead.


 168, 197, 235


255, 255, 255


 225, 240, 255

254, 255, 255

 168, 197, 235


 141, 169, 207

 114, 142, 179


 88, 116, 152

 62, 90, 127

 35, 65, 102

 1, 36, 78

 0, 24, 55

 0, 14, 33


 0, 0, 9

 168, 197, 235


 168, 197, 235

 145, 184, 235


 192, 211, 235

 121, 170, 235


 215, 224, 235

 98, 157, 235


 238, 237, 235

 74, 144, 235


 255, 244, 235

 51, 131, 235


 248, 255, 235

 27, 117, 235

 237, 255, 235

 4, 104, 235

 235, 255, 235

 0, 102, 235

Harmonies

Analogous

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



167, 194, 221



168, 197, 235



182, 204, 244

Triad

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



168, 197, 235



241, 200, 220



180, 215, 178

Complementary

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



168, 197, 235



235, 189, 168

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.



227, 233, 178



168, 197, 235



248, 199, 202

Square

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



168, 197, 235



225, 204, 235



244, 207, 187



186, 217, 208

Rectangle

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



168, 197, 235



196, 207, 245



244, 207, 187



190, 221, 177

Sweetspot

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



168, 197, 235



232, 242, 255



168, 222, 235



113, 119, 128



0, 0, 0



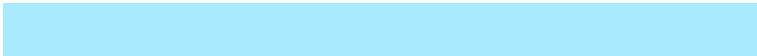
128, 128, 128

Same Dimension

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



168, 197, 235



168, 206, 255



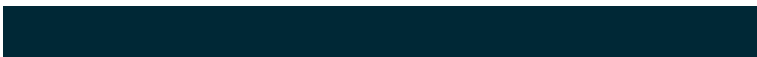
168, 182, 235



106, 111, 117



0, 78, 181



0, 23, 54

Inverse Universe

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



235, 168, 219



255, 168, 234



193, 235, 168



117, 106, 115



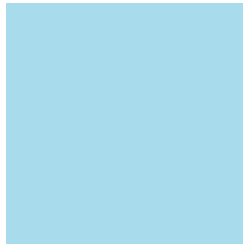
181, 0, 138



54, 0, 41

Previews

White Background



This preview shows how the RYB color 168, 197, 235 looks on a white background.

Color Contrast Check

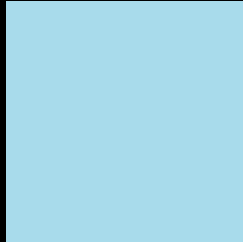
Large Text (above 18pt) WCAG AA × Fail

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, 197, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

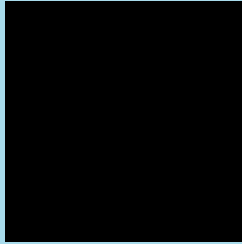
Any Text WCAG AA ✓ Pass

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, 197, 235 Background



This preview shows how black text looks on a background with the RYB color 168, 197, 235.



This preview shows how white text looks on a background with the RYB color 168, 197, 235.

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](#).

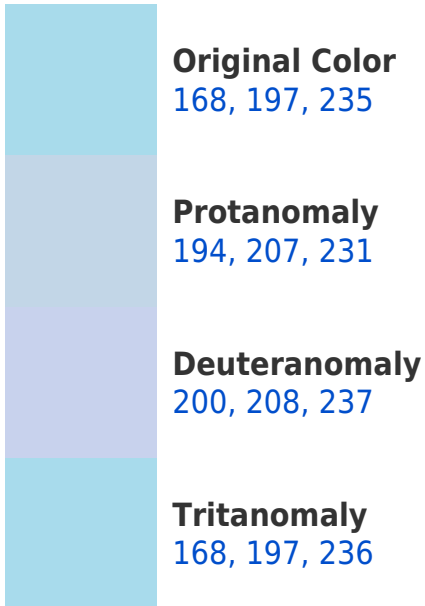
Dichromacy



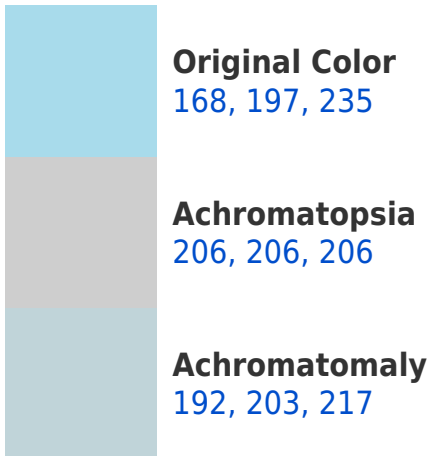


Tritanopia
168, 197, 236

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 197, 235 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, 219, 235)` looks like.

```
.text, #text, p{  
    color:rgb(168, 219, 235)  
}
```

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, 219, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 219, 235) }
```

Border

The CSS property to change the border of an element to RYB 168, 197, 235 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, 219, 235) }
```

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

```
.border{ border-color:rgb(168, 219, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 219, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 219, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 219, 235);  
box-shadow:4px 4px 4px 4px rgb(168, 219,  
235) }
```

Background

The CSS property to change the background color of an element to RYB 168, 197, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 219, 235) }
```

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

```
.background{ background-color: rgb(168,  
219, 235) }
```

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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