

Converting Colors

`RYB(166, 215, 234)`

Have a look what the booklet for
RYB(166, 215, 234) contains.

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Color

R_YB(166, 215, 234)

Conversions

Conversions Part 1

Format	Color
Hex	A6EAC0
RGB	166, 234, 192
RGB Percent	65%, 92%, 75%
CMY	0.3490, 0.0824, 0.2456
CMYK	0.29, 0.00, 0.18, 0.08
HSL	143°, 62%, 78%
HSV	143°, 29%, 92%
XYZ	54.7039, 70.7747, 60.8605
YIQ	208.8800, -27.0460, -27.4780

Conversions

Conversions Part 2

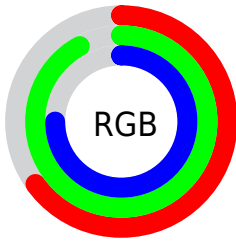
Format	Color
RYB	166, 215, 234
Decimal	10939072
CIELab	87.38, -29.68, 13.48
CIElCh	87, 32.596, 155.563
Yxy	70.7747, 0.2936, 0.3798
Android (android.graphics.Color)	4289129152 (0xFFA6EAC0)
YUV	208.8800, -8.3218, -37.6058
Hunter-Lab	84.1277, -31.1542, 15.9972

Details

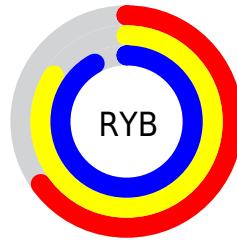
The RYB color **166, 215, 234** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **234, 166, 208**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **222, 240, 255**, and **112, 159, 178** is the 20% darker color. If you saturate the color by 10%, you get **143, 209, 234**, and if you desaturate by 10%, it is **189, 221, 234**.

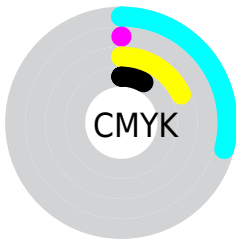
Distribution



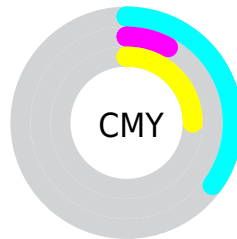
- Red (65%)
- Green (92%)
- Blue (75%)



- Red (65%)
- Yellow (84%)
- Blue (92%)



- Cyan (29%)
- Magenta (0%)
- Yellow (18%)
- Black (8%)



- Cyan (35%)
- Magenta (8%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 215, 234 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 166, 215, 234 by changing the saturation by 10% instead.


 166, 215, 234


255, 255, 255


 222, 240, 255


 251, 253, 255

 166, 215, 234

 139, 187, 206


 112, 159, 178


 86, 132, 151

 60, 105, 125

 34, 79, 100

 0, 48, 75

 0, 37, 52

 0, 32, 32

 0, 0, 0

 166, 215, 234


 166, 215, 234

 143, 209, 234


 189, 221, 234

 119, 202, 234


 213, 228, 234

 96, 196, 234


 236, 234, 235

 72, 189, 234

 255, 234, 250

 49, 182, 234

 255, 234, 255

 26, 176, 234

 2, 169, 234

 0, 168, 234

Harmonies

Analogous

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



168, 228, 194



166, 215, 234



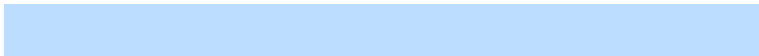
136, 189, 236

Triad

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



166, 215, 234



188, 210, 255



255, 205, 184

Complementary

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



166, 215, 234



234, 166, 208

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, 196, 214



166, 215, 234



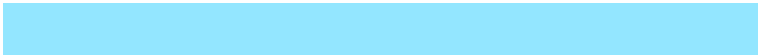
231, 209, 255

Square

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



166, 215, 234



147, 194, 255



255, 200, 245



255, 251, 163

Rectangle

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



166, 215, 234



125, 183, 245



255, 200, 245



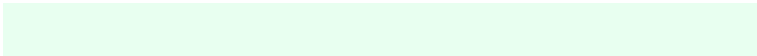
255, 198, 194

Sweetspot

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



166, 215, 234



232, 249, 255



166, 234, 192



113, 124, 128



0, 0, 0



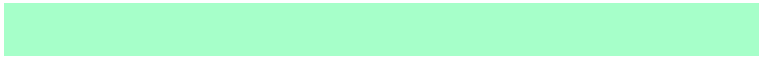
128, 128, 128

Same Dimension

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



166, 215, 234



166, 230, 255



166, 202, 234



106, 114, 117



0, 131, 181



0, 39, 54

Inverse Universe

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



234, 166, 208



255, 166, 220



234, 166, 174



117, 106, 113



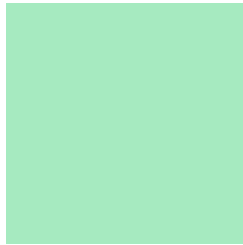
181, 0, 111



54, 0, 33

Previews

White Background



This preview shows how the RYB color 166, 215, 234 looks on a white background.

Color Contrast Check

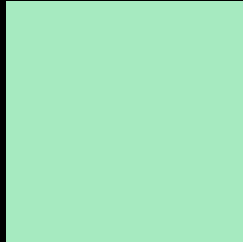
Large Text (above 18pt) WCAG AA × Fail

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 166, 215, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

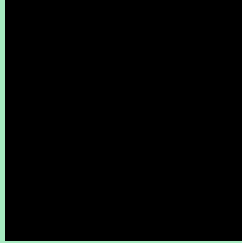
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

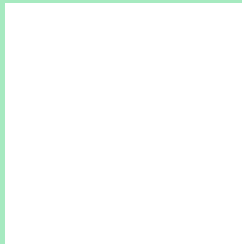
Any Text WCAG AAA ✓ Pass

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

RYB 166, 215, 234 Background



This preview shows how black text looks on a background with the RYB color 166, 215, 234.

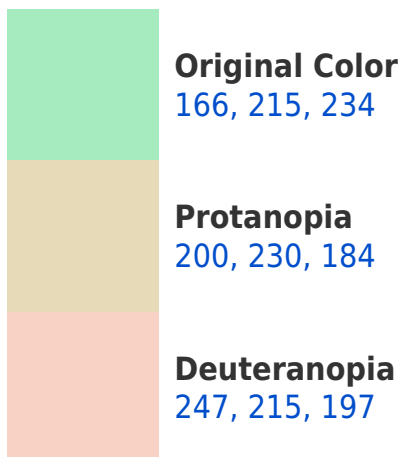


This preview shows how white text looks on a background with the RYB color 166, 215, 234.

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





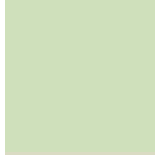
Tritanopia
176, 205, 245

Trichromacy



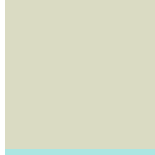
Original Color

166, 215, 234



Protanomaly

187, 224, 204



Deuteranomaly

195, 219, 196



Tritanomaly

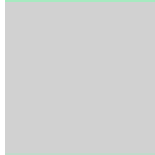
172, 202, 230

Monochromacy



Original Color

166, 215, 234



Achromatopsia

209, 209, 209



Achromatomaly

193, 211, 218

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 215, 234 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(166, 234, 192)` looks like.

```
.text, #text, p{  
    color:rgb(166, 234, 192)  
}
```

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(166, 234, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 234, 192) }
```

Border

The CSS property to change the border of an element to RYB 166, 215, 234 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(166, 234, 192) }
```

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

```
.border{ border-color:rgb(166, 234, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 234, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 234, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 234, 192);  
box-shadow:4px 4px 4px 4px rgb(166, 234,  
192) }
```

Background

The CSS property to change the background color of an element to RYB 166, 215, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 234, 192) }
```

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

```
.background{ background-color: rgb(166,  
234, 192) }
```

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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