

Converting Colors

`RYB(166, 215, 248)`

Have a look what the booklet for
RYB(166, 215, 248) contains.

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Color

`RYB(166, 215, 248)`

Conversions

Conversions Part 1

Format	Color
Hex	A6F8DD
RGB	166, 248, 221
RGB Percent	65%, 97%, 87%
CMY	0.3490, 0.0275, 0.1325
CMYK	0.33, 0.00, 0.11, 0.03
HSL	160°, 85%, 81%
HSV	160°, 33%, 97%
XYZ	62.3744, 80.4742, 80.8091
YIQ	220.4040, -40.2050, -25.7810

Conversions

Conversions Part 2

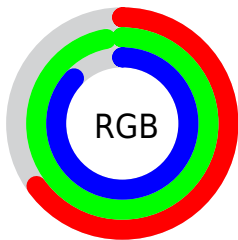
Format	Color
RYB	166, 215, 248
Decimal	10942685
CIELab	91.90, -30.57, 4.95
CIELCh	92, 30.970, 170.798
Yxy	80.4742, 0.2789, 0.3598
Android (android.graphics.Color)	4289132765 (0xFFA6F8DD)
YUV	220.4040, 0.2938, -47.7123
Hunter-Lab	89.7074, -32.8754, 9.3863

Details

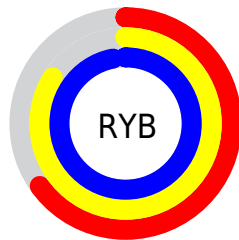
The RYB color **166, 215, 248** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **248, 166, 193**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **223, 239, 255**, and **111, 158, 191** is the 20% darker color. If you saturate the color by 10%, you get **141, 205, 248**, and if you desaturate by 10%, it is **191, 225, 248**.

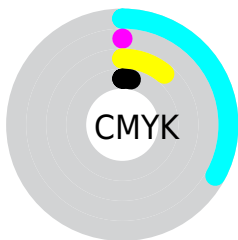
Distribution



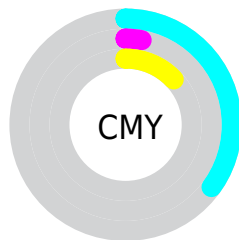
- Red (65%)
- Green (97%)
- Blue (87%)



- Red (65%)
- Yellow (84%)
- Blue (97%)



- Cyan (33%)
- Magenta (0%)
- Yellow (11%)
- Black (3%)



- Cyan (35%)
- Magenta (3%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the RYB color 166, 215, 248 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, 248 by changing the saturation by 10% instead.


 166, 215, 248

 166, 215, 248


255, 255, 255


 138, 186, 219

 223, 239, 255

 111, 158, 191

 252, 254, 255

 84, 131, 164


 56, 103, 137

 25, 75, 112

 0, 49, 87

 0, 37, 63


 0, 25, 40


 0, 13, 13

 166, 215, 248


 166, 215, 248

 141, 205, 248


 191, 225, 248

 116, 195, 248


 216, 235, 248

 92, 185, 248


 240, 245, 248

 67, 175, 248

 255, 248, 254

 42, 165, 248

 255, 248, 255

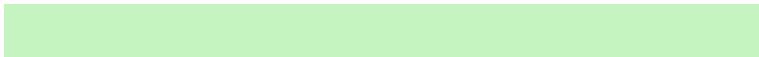
 17, 155, 248

 0, 148, 248

Harmonies

Analogous

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



193, 244, 239



166, 215, 248



146, 198, 252

Triad

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



166, 215, 248



224, 227, 255



255, 241, 187

Complementary

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



166, 215, 248



248, 166, 193

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, 211, 212



166, 215, 248



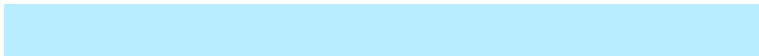
255, 217, 255

Square

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



166, 215, 248



183, 214, 255



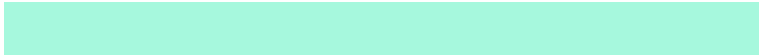
255, 211, 242



216, 255, 173

Rectangle

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



166, 215, 248



147, 199, 255



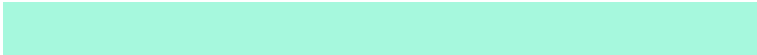
255, 211, 242



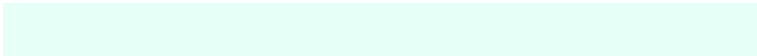
255, 226, 194

Sweetspot

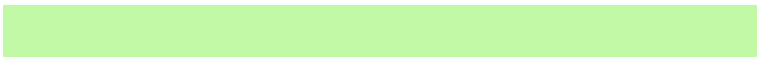
The Sweet Spot groups the original color and five complimentary colors.



166, 215, 248



230, 245, 255



166, 248, 221



112, 121, 128



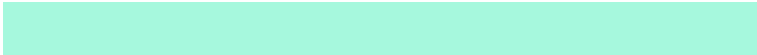
0, 0, 0



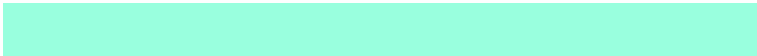
128, 128, 128

Same Dimension

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



166, 215, 248



153, 214, 255



166, 203, 248



112, 120, 125



0, 113, 189



0, 36, 61

Inverse Universe

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



248, 166, 193



255, 153, 186



248, 183, 166



125, 112, 117



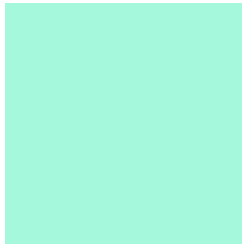
189, 0, 62



61, 0, 20

Previews

White Background



This preview shows how the RYB color 166, 215, 248 looks on a white background.

Color Contrast Check

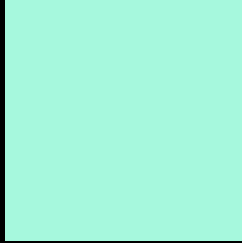
Large Text (above 18pt) WCAG AA × Fail

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, 248 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, 248 Background



This preview shows how black text looks on a background with the RYB color 166, 215, 248.

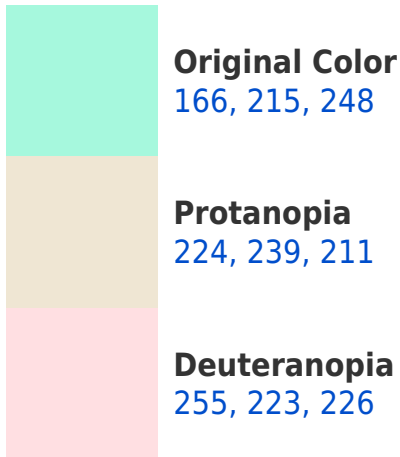


This preview shows how white text looks on a background with the RYB color 166, 215, 248.

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





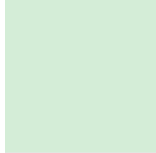
Tritanopia
189, 218, 255

Trichromacy



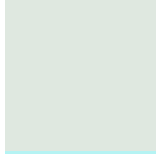
Original Color

166, 215, 248



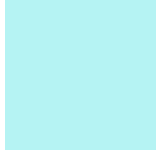
Protanomaly

212, 234, 237



Deuteranomaly

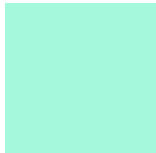
223, 231, 232



Tritanomaly

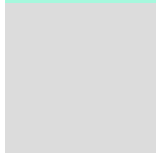
181, 212, 243

Monochromacy



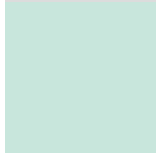
Original Color

166, 215, 248



Achromatopsia

220, 220, 220



Achromatomaly

200, 218, 230

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 215, 248 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, 248, 221)` looks like.

```
.text, #text, p{  
    color:rgb(166, 248, 221)  
}
```

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, 248, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 248, 221) }
```

Border

The CSS property to change the border of an element to RYB 166, 215, 248 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, 248, 221) }
```

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

```
.border{ border-color:rgb(166, 248, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 248, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 248, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 248, 221);  
box-shadow:4px 4px 4px 4px rgb(166, 248,  
221) }
```

Background

The CSS property to change the background color of an element to RYB 166, 215, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 248, 221) }
```

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

```
.background{ background-color: rgb(166,  
248, 221) }
```

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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