

Converting Colors

`RYB(166, 238, 237)`

Have a look what the booklet for
RYB(166, 238, 237) contains.

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Color

R_YB(166, 238, 237)

Conversions

Conversions Part 1

Format	Color
Hex	A7EEA6
RGB	167, 238, 166
RGB Percent	65%, 93%, 65%
CMY	0.3451, 0.0667, 0.3490
CMYK	0.30, 0.00, 0.30, 0.07
HSL	119°, 68%, 79%
HSV	119°, 30%, 93%
XYZ	53.3938, 72.1177, 47.1824
YIQ	208.5630, -19.2040, -37.4440

Conversions

Conversions Part 2

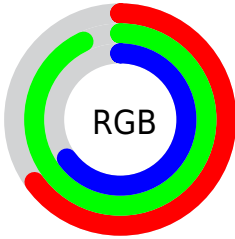
Format	Color
R _{YB}	166, 238, 237
Decimal	11005606
CIE _{Lab}	88.03, -35.82, 28.01
CIE _{LCh}	88, 45.473, 141.981
Y _{xy}	72.1177, 0.3092, 0.4176
Android (android.graphics.Color)	4289195686 (0xFFA7EEA6)
YUV	208.5630, -20.9836, -36.4508
Hunter-Lab	84.9222, -36.3840, 26.5043

Details

The RYB color **166, 238, 237** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **237, 166, 238**, and the grayscale version is **209, 209, 209**.

A 20% lighter version of the original color is **221, 255, 252**, and **113, 181, 182** is the 20% darker color. If you saturate the color by 10%, you get **142, 238, 236**, and if you desaturate by 10%, it is **190, 238, 238**.

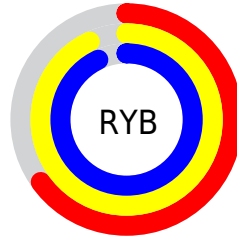
Distribution



Red (65%)

Green (93%)

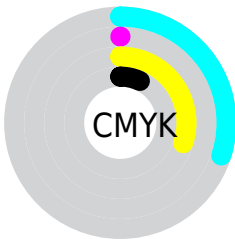
Blue (65%)



Red (65%)

Yellow (93%)

Blue (93%)

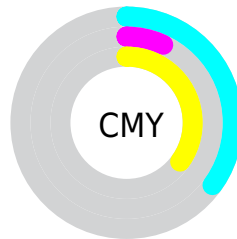


Cyan (30%)

Magenta (0%)

Yellow (30%)

Black (7%)



Cyan (35%)

Magenta (7%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 238, 237 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, 238, 237 by changing the saturation by 10% instead.

 166, 238, 237

255, 255, 255


 221, 255, 252


 250, 255, 252

 166, 238, 237

 139, 210, 209

 113, 181, 182


 86, 152, 155

 60, 124, 128

 32, 95, 103

 0, 63, 78

 0, 54, 54

 0, 35, 35

 0, 0, 0

 166, 238, 237

 166, 238, 237

 142, 238, 236

 190, 238, 238

 118, 238, 236

 214, 238, 238

 95, 238, 236

 237, 238, 238

 71, 238, 236

 255, 238, 255

 47, 238, 235

 23, 238, 235

 0, 238, 235

Harmonies

Analogous

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



139, 228, 150



166, 238, 237



110, 187, 243

Triad

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



166, 238, 237



138, 189, 255



255, 189, 191

Complementary

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



166, 238, 237



237, 166, 238

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, 188, 234



166, 238, 237



209, 214, 255

Square

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



166, 238, 237



60, 153, 255



255, 198, 255



255, 235, 154

Rectangle

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



166, 238, 237



68, 158, 244



255, 198, 255



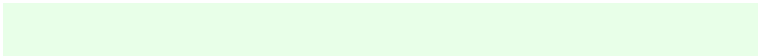
255, 187, 205

Sweetspot

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



166, 238, 237



232, 255, 255



167, 238, 166



113, 128, 127



0, 0, 0



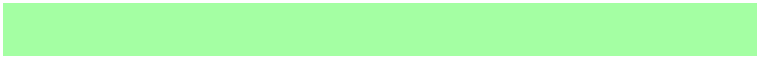
128, 128, 128

Same Dimension

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



166, 238, 237



163, 255, 254



166, 214, 238



108, 120, 120



0, 184, 181



0, 56, 55

Inverse Universe

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



237, 166, 238



254, 163, 255



238, 166, 203



120, 108, 120



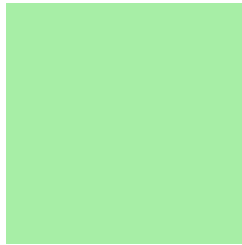
181, 0, 184



55, 0, 56

Previews

White Background



This preview shows how the RYB color 166, 238, 237 looks on a white background.

Color Contrast Check

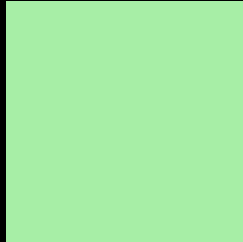
Large Text (above 18pt) WCAG AA × Fail

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, 238, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

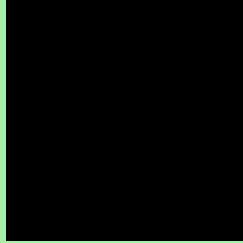
Any Text WCAG AA ✓ Pass

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, 238, 237 Background



This preview shows how black text looks on a background with the RYB color 166, 238, 237.

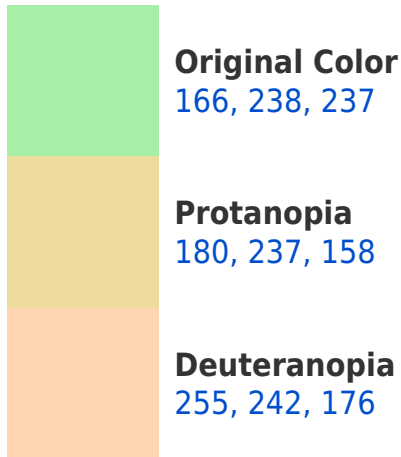


This preview shows how white text looks on a background with the RYB color 166, 238, 237.

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





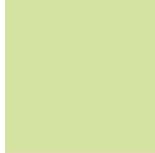
Tritanopia
182, 209, 246

Trichromacy



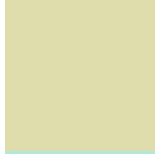
Original Color

166, 238, 237



Protanomaly

161, 227, 176



Deuteranomaly

174, 223, 172



Tritanomaly

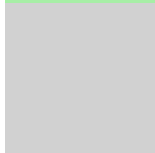
177, 209, 232

Monochromacy



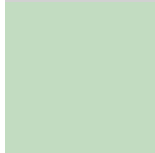
Original Color

166, 238, 237



Achromatopsia

209, 209, 209



Achromatomaly

193, 220, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 166, 238, 237 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(167, 238, 166)` looks like.

```
.text, #text, p{  
    color:rgb(167, 238, 166)  
}
```

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(167, 238, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 238, 166) }
```

Border

The CSS property to change the border of an element to RYB 166, 238, 237 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(167, 238, 166) }
```

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

```
.border{ border-color:rgb(167, 238, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 238, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 238, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 238, 166); box-shadow:4px 4px 4px 4px rgb(167, 238, 166) }
```

Background

The CSS property to change the background color of an element to RYB 166, 238, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 238, 166) }
```

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

```
.background{ background-color: rgb(167,  
238, 166) }
```

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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