

Converting Colors

`RYB(167, 232, 250)`

Have a look what the booklet for
RYB(167, 232, 250) contains.

RYB(167, 232, 250)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(167, 232, 250)

Conversions

Conversions Part 1

Format	Color
Hex	A7FABE
RGB	167, 250, 190
RGB Percent	65%, 98%, 75%
CMY	0.3451, 0.0196, 0.2550
CMYK	0.33, 0.00, 0.24, 0.02
HSL	137°, 89%, 82%
HSV	137°, 33%, 98%
XYZ	59.4145, 80.3037, 61.0751
YIQ	218.3430, -30.2080, -36.2560

Conversions

Conversions Part 2

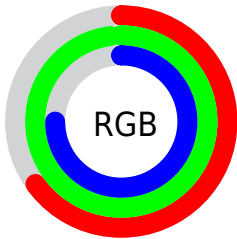
Format	Color
RYB	167, 232, 250
Decimal	11008702
CIELab	91.82, -37.23, 20.96
CIELCh	92, 42.720, 150.624
Yxy	80.3037, 0.2959, 0.3999
Android (android.graphics.Color)	4289198782 (0xFFA7FABE)
YUV	218.3430, -13.9731, -45.0278
Hunter-Lab	89.6124, -38.4730, 22.3197

Details

The RYB color **167, 232, 250** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **250, 167, 227**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **224, 242, 255**, and **112, 174, 193** is the 20% darker color. If you saturate the color by 10%, you get **142, 227, 250**, and if you desaturate by 10%, it is **192, 237, 250**.

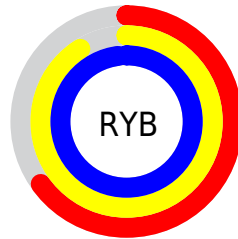
Distribution



Red (65%)

Green (98%)

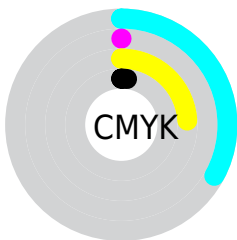
Blue (75%)



Red (65%)

Yellow (91%)

Blue (98%)

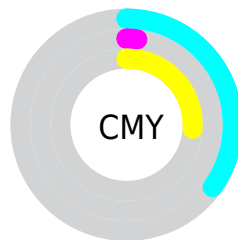


Cyan (33%)

Magenta (0%)

Yellow (24%)

Black (2%)



Cyan (35%)

Magenta (2%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 167, 232, 250 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 167, 232, 250 by changing the saturation by 10% instead.

 167, 232, 250


255, 255, 255


 224, 242, 255


253, 254, 255


 167, 232, 250

 139, 202, 221

 112, 174, 193

 85, 146, 166


 58, 118, 139

 28, 88, 113

 0, 61, 88

 0, 50, 64

 0, 41, 41

 0, 12, 12

 167, 232, 250

 167, 232, 250

 142, 227, 250

 192, 237, 250

 117, 221, 250

 217, 243, 250


 92, 216, 250

 242, 248, 250

 67, 210, 250

 255, 250, 255

 42, 205, 250

 17, 199, 250

 0, 196, 250

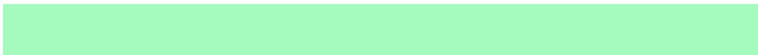
Harmonies

Analogous

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



160, 242, 187



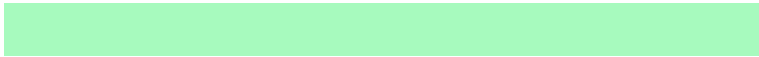
167, 232, 250



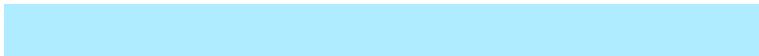
117, 192, 254

Triad

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



167, 232, 250



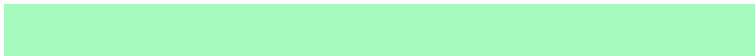
176, 210, 255



255, 207, 192

Complementary

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



167, 232, 250



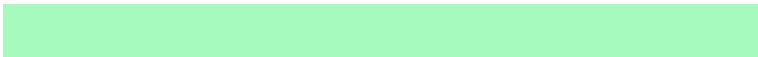
250, 167, 227

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, 200, 232



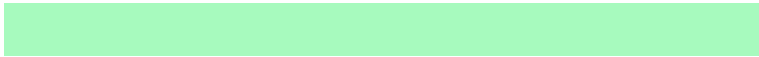
167, 232, 250



238, 221, 255

Square

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



167, 232, 250



113, 182, 255



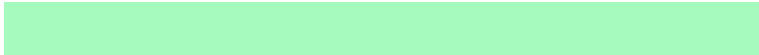
255, 207, 255



231, 255, 161

Rectangle

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



167, 232, 250



90, 172, 255



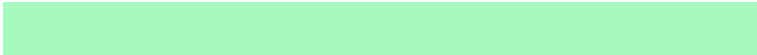
255, 207, 255



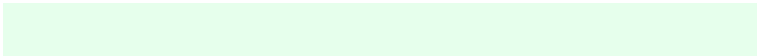
255, 201, 205

Sweetspot

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



167, 232, 250



230, 250, 255



167, 250, 189



112, 125, 128



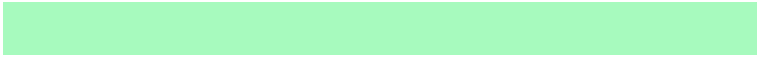
0, 0, 0



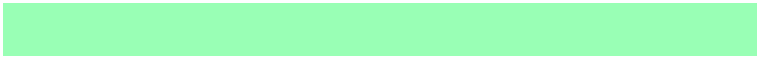
128, 128, 128

Same Dimension

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



167, 232, 250



153, 233, 255



167, 214, 250



112, 122, 125



0, 148, 189



0, 48, 61

Inverse Universe

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



250, 167, 227



255, 153, 227



250, 167, 186



125, 112, 121



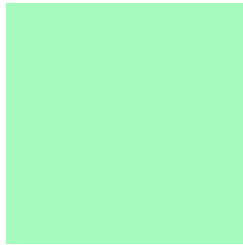
189, 0, 136



61, 0, 44

Previews

White Background



This preview shows how the RYB color 167, 232, 250 looks on a white background.

Color Contrast Check

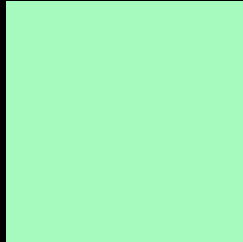
Large Text (above 18pt) WCAG AA × Fail

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 167, 232, 250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

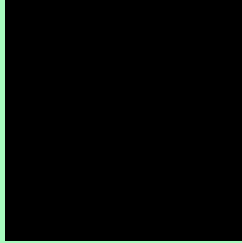
Any Text WCAG AA ✓ Pass

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 167, 232, 250 Background



This preview shows how black text looks on a background with the RYB color 167, 232, 250.

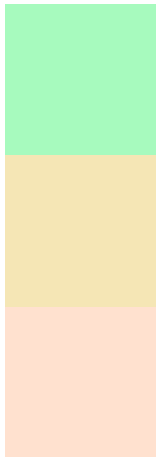


This preview shows how white text looks on a background with the RYB color 167, 232, 250.

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



Original Color
167, 232, 250

Protanopia
201, 245, 181

Deuteranopia
255, 236, 207



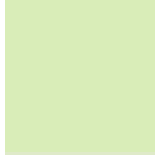
Tritanopia
191, 218, 255

Trichromacy



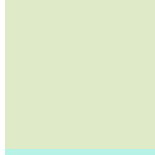
Original Color

167, 232, 250



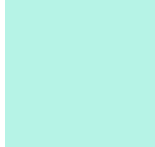
Protanomaly

184, 237, 204



Deuteranomaly

201, 234, 212



Tritanomaly

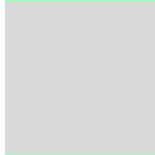
182, 216, 243

Monochromacy



Original Color

167, 232, 250



Achromatopsia

218, 218, 218



Achromatomaly

199, 223, 230

CSS Examples

Text

The CSS property to change the color of the text to RYB 167, 232, 250 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, 250, 190)` looks like.

```
.text, #text, p{  
    color:rgb(167, 250, 190)  
}
```

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, 250, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 250, 190) }
```

Border

The CSS property to change the border of an element to RYB 167, 232, 250 is called "border". The border property can be set on classes, ids or directly on the HTML element.

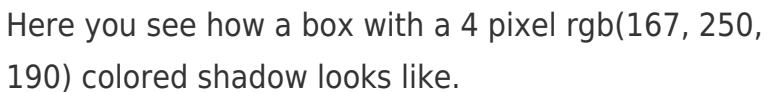
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 250, 190) }
```

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

```
.border{ border-color:rgb(167, 250, 190) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 250, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 250, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 250, 190); box-shadow:4px 4px 4px 4px rgb(167, 250, 190) }
```

Background

The CSS property to change the background color of an element to RYB 167, 232, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 250, 190) }
```

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

```
.background{ background-color: rgb(167,  
250, 190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor