

Converting Colors

`RYB(167, 204, 238)`

Have a look what the booklet for
RYB(167, 204, 238) contains.

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Color

R_YB(167, 204, 238)

Conversions

Conversions Part 1

Format	Color
Hex	A7EEE8
RGB	167, 238, 232
RGB Percent	65%, 93%, 91%
CMY	0.3451, 0.0667, 0.0892
CMYK	0.30, 0.00, 0.02, 0.07
HSL	175°, 68%, 79%
HSV	175°, 30%, 93%
XYZ	61.1110, 75.2046, 87.8203
YIQ	216.0870, -40.3900, -16.9180

Conversions

Conversions Part 2

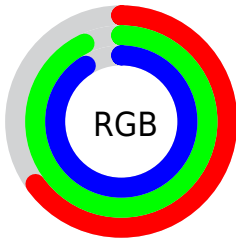
Format	Color
RYB	167, 204, 238
Decimal	11005672
CIELab	89.49, -23.14, -4.29
CIELCh	89, 23.538, 190.507
Yxy	75.2046, 0.2727, 0.3355
Android (android.graphics.Color)	4289195752 (0xFFA7EEE8)
YUV	216.0870, 7.8451, -43.0493
Hunter-Lab	86.7206, -25.9742, 0.6626

Details

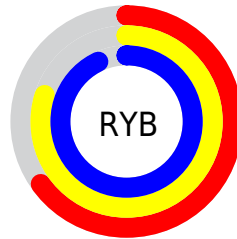
The RYB color **167, 204, 238** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **238, 167, 173**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is **224, 240, 255**, and **112, 149, 182** is the 20% darker color. If you saturate the color by 10%, you get **143, 193, 238**, and if you desaturate by 10%, it is **191, 216, 238**.

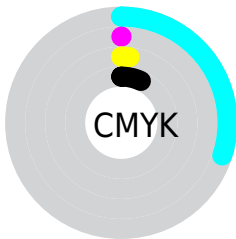
Distribution



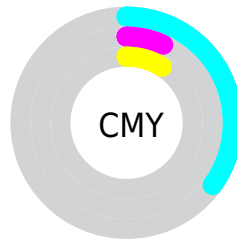
- Red (65%)
- Green (93%)
- Blue (91%)



- Red (65%)
- Yellow (80%)
- Blue (93%)



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (35%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 167, 204, 238 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, 204, 238 by changing the saturation by 10% instead.

 167, 204, 238

 167, 204, 238


255, 255, 255

 139, 176, 210

 224, 240, 255

 112, 148, 182

253, 254, 255


 85, 121, 155

 58, 95, 129

 29, 67, 103

 0, 40, 79


 0, 29, 56


 0, 18, 34

 0, 0, 8

 167, 204, 238


 167, 204, 238

 143, 193, 238


 191, 216, 238

 119, 181, 238


 215, 227, 238

 96, 170, 238


 238, 238, 238

 72, 158, 238

 255, 238, 240

 48, 147, 238

 255, 238, 242

 24, 135, 238

 255, 238, 244

 0, 124, 238

 255, 238, 246

 255, 238, 248

 255, 238, 250

Harmonies

Analogous

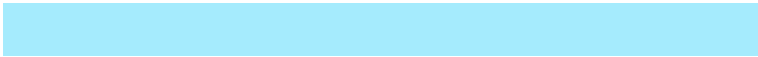
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



184, 220, 237



167, 204, 238



165, 204, 253

Triad

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



167, 204, 238



239, 217, 255



255, 251, 183

Complementary

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



167, 204, 238



238, 167, 173

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, 217, 197



167, 204, 238



255, 211, 240

Square

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



167, 204, 238



210, 221, 255



255, 209, 218



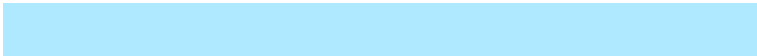
190, 234, 181

Rectangle

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



167, 204, 238



174, 208, 255



255, 209, 218



255, 238, 187

Sweetspot

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



167, 204, 238



232, 244, 255



167, 238, 232



113, 121, 128



0, 0, 0



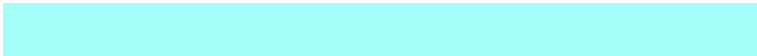
128, 128, 128

Same Dimension

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



167, 204, 238



163, 211, 255



167, 193, 238



108, 114, 120



0, 96, 184



0, 29, 56

Inverse Universe

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



238, 167, 173



255, 163, 171



238, 219, 167



120, 108, 109



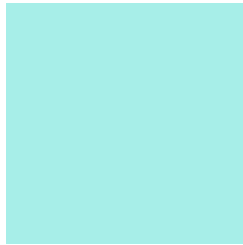
184, 0, 15



56, 0, 5

Previews

White Background



This preview shows how the RYB color 167, 204, 238 looks on a white background.

Color Contrast Check

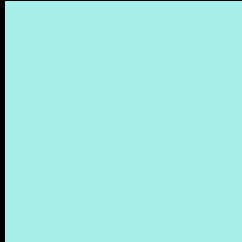
Large Text (above 18pt) WCAG AA × Fail

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, 204, 238 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, 204, 238 Background



This preview shows how black text looks on a background with the RYB color 167, 204, 238.



This preview shows how white text looks on a background with the RYB color 167, 204, 238.

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





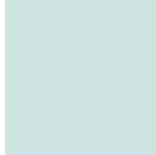
Tritanopia
172, 208, 254

Trichromacy



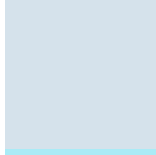
Original Color

167, 204, 238



Protanomaly

206, 218, 228



Deuteranomaly

213, 221, 235



Tritanomaly

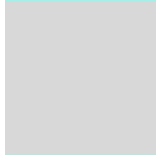
170, 205, 246

Monochromacy



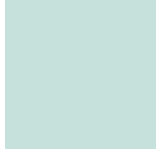
Original Color

167, 204, 238



Achromatopsia

216, 216, 216



Achromatomaly

198, 212, 224

CSS Examples

Text

The CSS property to change the color of the text to RYB 167, 204, 238 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(167, 238, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 238, 232) }
```

Border

The CSS property to change the border of an element to RYB 167, 204, 238 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, 232) }
```

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

```
.border{ border-color:rgb(167, 238, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 238, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 238, 232);  
box-shadow:4px 4px 4px 4px rgb(167, 238,  
232) }
```

Background

The CSS property to change the background color of an element to RYB 167, 204, 238 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, 232) }
```

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

```
.background{ background-color: rgb(167,  
238, 232) }
```

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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