

Converting Colors

`RYB(167, 210, 255)`

Have a look what the booklet for RYB(167, 210, 255) contains.

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Color

R_YB(167, 210, 255)

Conversions

Conversions Part 1

Format	Color
Hex	A7FBFF
RGB	167, 251, 255
RGB Percent	65%, 98%, 100%
CMY	0.3451, 0.0153, 0.0000
CMYK	0.35, 0.02, 0.00, 0.00
HSL	183°, 100%, 83%
HSV	183°, 35%, 100%
XYZ	68.5113, 84.4854, 107.3041
YIQ	226.3400, -51.3480, -16.5640

Conversions

Conversions Part 2

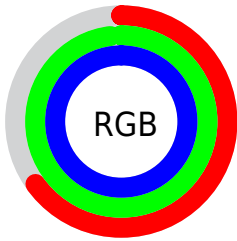
Format	Color
RYB	167, 210, 255
Decimal	11009023
CIELab	93.66, -24.37, -9.96
CIElCh	94, 26.323, 202.228
Yxy	84.4854, 0.2632, 0.3246
Android (android.graphics.Color)	4289199103 (0xFFA7FBFF)
YUV	226.3400, 14.1294, -52.0412
Hunter-Lab	91.9159, -27.8045, -4.8749

Details

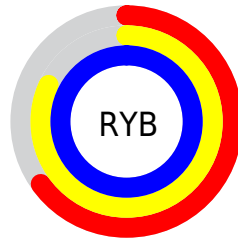
The RYB color **167, 210, 255** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **255, 171, 167**, and the grayscale version is **226, 226, 226**.

A 20% lighter version of the original color is **225, 240, 255**, and **111, 153, 198** is the 20% darker color. If you saturate the color by 10%, you get **142, 197, 255**, and if you desaturate by 10%, it is **193, 223, 255**.

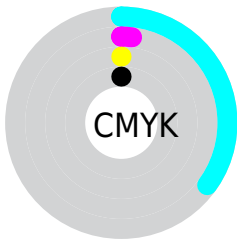
Distribution



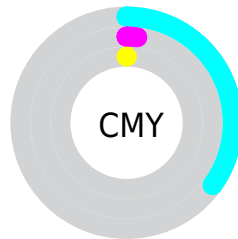
- Red (65%)
- Green (98%)
- Blue (100%)



- Red (65%)
- Yellow (82%)
- Blue (100%)



- Cyan (35%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 167, 210, 255 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, 210, 255 by changing the saturation by 10% instead.


 167, 210, 255


255, 255, 255

 225, 240, 255

 167, 210, 255

 139, 181, 226


 111, 153, 198

 82, 125, 171


 53, 98, 145

 14, 65, 119

 0, 46, 94


 0, 34, 71

 0, 23, 48

 0, 12, 28

 167, 210, 255


 167, 210, 255

 142, 197, 255


 193, 223, 255

 116, 184, 255


 218, 236, 255


 91, 171, 255

 244, 249, 255

 65, 158, 255

255, 255, 255

 40, 145, 255

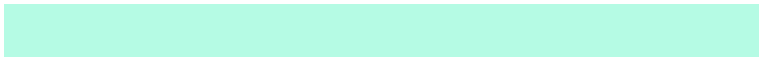
 14, 132, 255

 0, 125, 255

Harmonies

Analogous

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



181, 223, 251



167, 210, 255



173, 212, 255

Triad

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



167, 210, 255



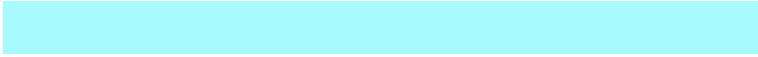
255, 224, 255



220, 255, 187

Complementary

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



167, 210, 255



255, 171, 167

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, 249, 198



167, 210, 255



255, 219, 244

Square

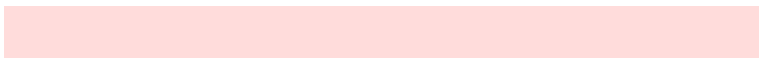
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



167, 210, 255



233, 233, 255



255, 220, 219



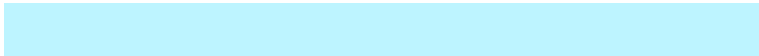
190, 241, 195

Rectangle

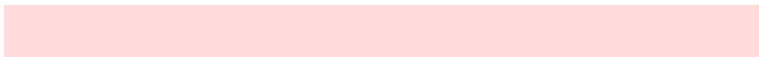
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



167, 210, 255



189, 219, 255



255, 220, 219



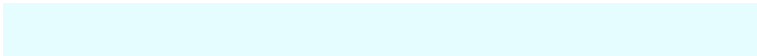
229, 255, 189

Sweetspot

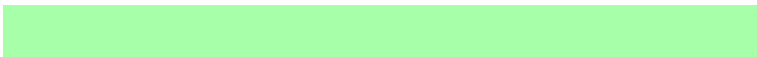
The Sweet Spot groups the original color and five complimentary colors.



167, 210, 255



230, 242, 255



167, 252, 255



112, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

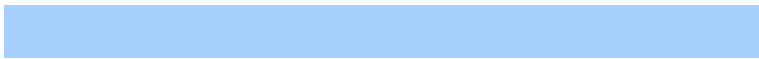
The Same Dimension uses a secret algorithm to generate beautiful new colors.



167, 210, 255



150, 201, 255



167, 195, 255



115, 121, 128



0, 93, 191



0, 31, 64

Inverse Universe

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



255, 167, 251



255, 150, 250



244, 255, 167



128, 115, 127



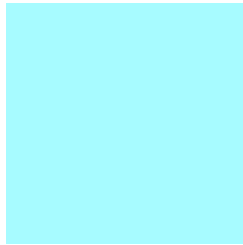
191, 0, 183



64, 0, 61

Previews

White Background



This preview shows how the RYB color 167, 210, 255 looks on a white background.

Color Contrast Check

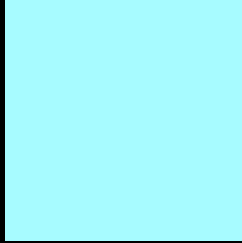
Large Text (above 18pt) WCAG AA × Fail

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, 210, 255 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, 210, 255 Background



This preview shows how black text looks on a background with the RYB color 167, 210, 255.

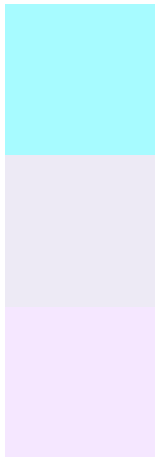


This preview shows how white text looks on a background with the RYB color 167, 210, 255.

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, 210, 255

Protanopia
237, 234, 245

Deuteranopia
245, 231, 255

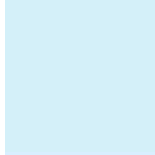


Tritanopia
202, 225, 255

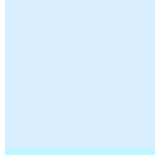
Trichromacy



Original Color
167, 210, 255



Protanomaly
212, 228, 249



Deuteranomaly
217, 231, 255

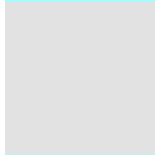


Tritanomaly
189, 220, 255

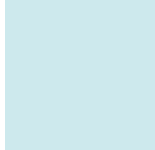
Monochromacy



Original Color
167, 210, 255



Achromatopsia
226, 226, 226



Achromatomaly
205, 220, 237

CSS Examples

Text

The CSS property to change the color of the text to RYB 167, 210, 255 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, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 251, 255)  
}
```

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, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 251, 255) }
```

Border

The CSS property to change the border of an element to RYB 167, 210, 255 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, 251, 255) }
```

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

```
.border{ border-color:rgb(167, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 251,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 167, 210, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 251, 255) }
```

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

```
.background{ background-color: rgb(167,  
251, 255) }
```

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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