

Converting Colors

`RYB(165, 228, 251)`

Have a look what the booklet for
RYB(165, 228, 251) contains.

RYB(165, 228, 251)	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(165, 228, 251)

Conversions

Conversions Part 1

Format	Color
Hex	A5FBC4
RGB	165, 251, 196
RGB Percent	65%, 98%, 77%
CMY	0.3529, 0.0157, 0.2298
CMYK	0.34, 0.00, 0.22, 0.02
HSL	142°, 91%, 82%
HSV	142°, 34%, 98%
XYZ	60.0233, 80.9973, 64.9322
YIQ	219.0160, -33.6010, -35.3370

Conversions

Conversions Part 2

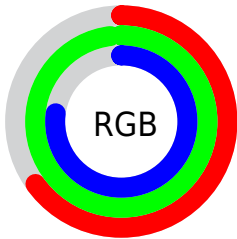
Format	Color
RYB	165, 228, 251
Decimal	10877892
CIELab	92.13, -37.11, 18.09
CIElCh	92, 41.280, 154.012
Yxy	80.9973, 0.2914, 0.3933
Android (android.graphics.Color)	4289067972 (0xFFA5FBC4)
YUV	219.0160, -11.3469, -47.3720
Hunter-Lab	89.9985, -38.4492, 20.2224

Details

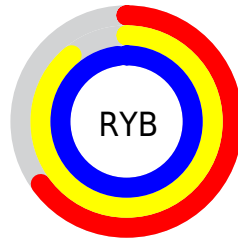
The RYB color **165, 228, 251** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **251, 165, 220**, and the grayscale version is **219, 219, 219**.

A 20% lighter version of the original color is **222, 239, 255**, and **110, 171, 194** is the 20% darker color. If you saturate the color by 10%, you get **140, 222, 251**, and if you desaturate by 10%, it is **190, 235, 251**.

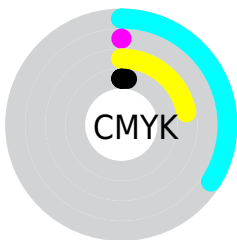
Distribution



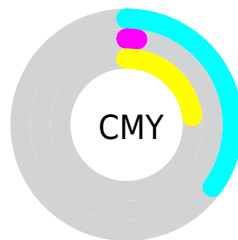
- Red (65%)
- Green (98%)
- Blue (77%)



- Red (65%)
- Yellow (89%)
- Blue (98%)



- Cyan (34%)
- Magenta (0%)
- Yellow (22%)
- Black (2%)



- Cyan (35%)
- Magenta (2%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 165, 228, 251 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 165, 228, 251 by changing the saturation by 10% instead.


 165, 228, 251

255, 255, 255

 222, 239, 255


 251, 253, 255

 165, 228, 251

 137, 199, 222

 110, 170, 194

 83, 142, 166


 55, 114, 140

 23, 84, 114

 0, 59, 89

 0, 47, 64

 0, 42, 42

 0, 14, 14

 165, 228, 251

 165, 228, 251

 140, 222, 251

 190, 235, 251

 115, 214, 251


 215, 241, 251


 90, 208, 251

 240, 248, 251

 65, 201, 251

 255, 251, 255

 40, 195, 251

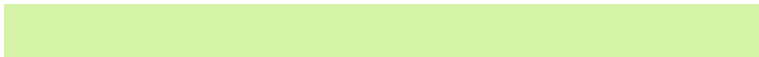
 14, 187, 251

 0, 184, 251

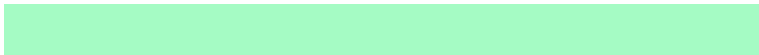
Harmonies

Analogous

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



166, 243, 197



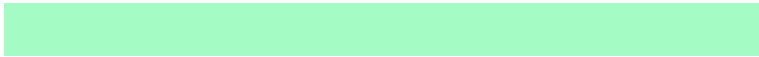
165, 228, 251



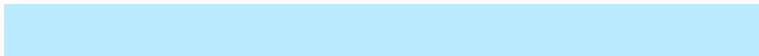
119, 191, 254

Triad

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



165, 228, 251



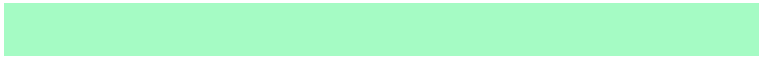
187, 215, 255



255, 213, 190

Complementary

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



165, 228, 251



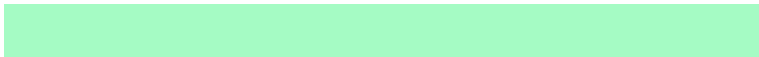
251, 165, 220

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, 202, 228



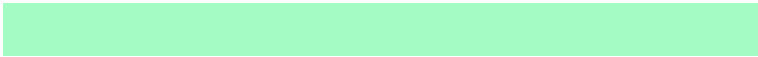
165, 228, 251



245, 220, 255

Square

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



165, 228, 251



127, 189, 255



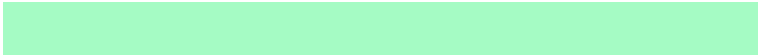
255, 208, 255



223, 255, 162

Rectangle

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



165, 228, 251



98, 176, 255



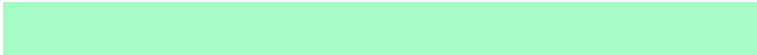
255, 208, 255



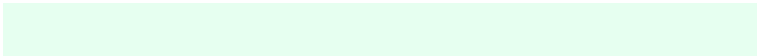
255, 204, 202

Sweetspot

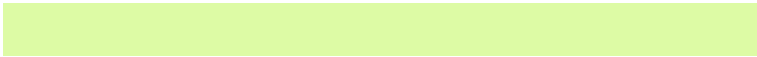
The Sweet Spot groups the original color and five complimentary colors.



165, 228, 251



230, 248, 255



165, 251, 195



112, 124, 128



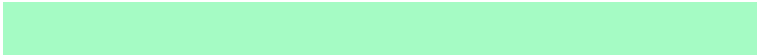
0, 0, 0



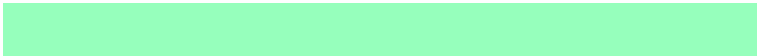
128, 128, 128

Same Dimension

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



165, 228, 251



150, 227, 255



165, 212, 251



112, 121, 125



0, 138, 189



0, 45, 61

Inverse Universe

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



251, 165, 220



255, 150, 217



251, 165, 178



125, 112, 120



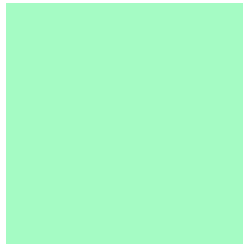
189, 0, 120



61, 0, 39

Previews

White Background



This preview shows how the RYB color 165, 228, 251 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 165, 228, 251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

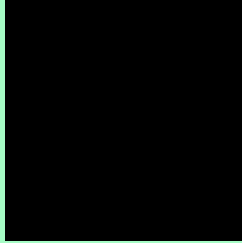
Any Text WCAG AA ✓ Pass

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 165, 228, 251 Background



This preview shows how black text looks on a background with the RYB color 165, 228, 251.

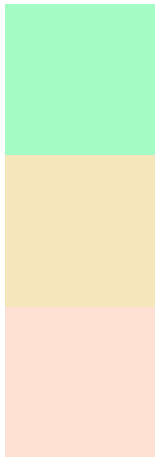


This preview shows how white text looks on a background with the RYB color 165, 228, 251.

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
165, 228, 251

Protanopia
205, 245, 187

Deuteranopia
255, 232, 211



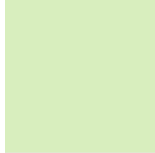
Tritanopia
192, 219, 255

Trichromacy



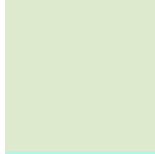
Original Color

165, 228, 251



Protanomaly

190, 238, 212



Deuteranomaly

206, 234, 218



Tritanomaly

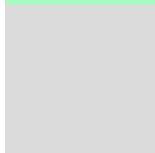
182, 216, 244

Monochromacy



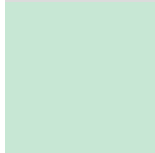
Original Color

165, 228, 251



Achromatopsia

219, 219, 219



Achromatomaly

199, 222, 231

CSS Examples

Text

The CSS property to change the color of the text to RYB 165, 228, 251 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(165, 251, 196)` looks like.

```
.text, #text, p{  
    color:rgb(165, 251, 196)  
}
```

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(165, 251, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 251, 196) }
```

Border

The CSS property to change the border of an element to RYB 165, 228, 251 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(165, 251, 196) }
```

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

```
.border{ border-color:rgb(165, 251, 196) }
```

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

Here you see how a box with a 4 pixel rgb(165, 251, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 251, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 251, 196);  
box-shadow:4px 4px 4px 4px rgb(165, 251,  
196) }
```

Background

The CSS property to change the background color of an element to RYB 165, 228, 251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 251, 196) }
```

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

```
.background{ background-color: rgb(165,  
251, 196) }
```

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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