

Converting Colors

`RYB(151, 255, 235)`

Have a look what the booklet for
RYB(151, 255, 235) contains.

RYB(151, 255, 235)	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(151, 255, 235)

Conversions

Conversions Part 1

Format	Color
Hex	ABFF97
RGB	171, 255, 151
RGB Percent	67%, 100%, 59%
CMY	0.3294, 0.0000, 0.4078
CMYK	0.33, 0.00, 0.41, 0.00
HSL	108°, 100%, 80%
HSV	108°, 41%, 100%
XYZ	58.1405, 82.4123, 42.1210
YIQ	218.0280, -16.6800, -50.1520

Conversions

Conversions Part 2

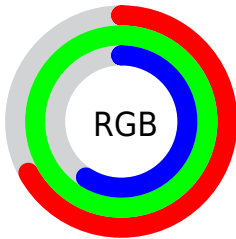
Format	Color
RYB	151, 255, 235
Decimal	11272087
CIELab	92.76, -44.34, 41.78
CIELCh	93, 60.923, 136.699
Yxy	82.4123, 0.3183, 0.4511
Android (android.graphics.Color)	4289462167 (0xFFABFF97)
YUV	218.0280, -33.0448, -41.2436
Hunter-Lab	90.7812, -44.5475, 36.0373

Details

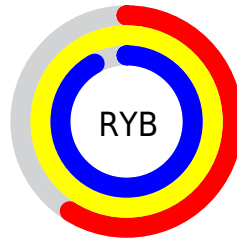
The RYB color **151, 255, 235** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **235, 151, 255**, and the grayscale version is **218, 218, 218**.

A 20% lighter version of the original color is **206, 255, 232**, and **98, 198, 181** is the 20% darker color. If you saturate the color by 10%, you get **126, 255, 231**, and if you desaturate by 10%, it is **177, 255, 240**.

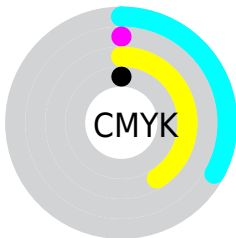
Distribution



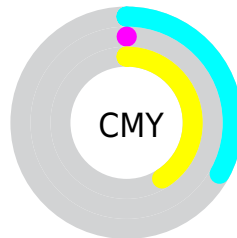
- Red (67%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (92%)



- Cyan (33%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 151, 255, 235 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 151, 255, 235 by changing the saturation by 10% instead.

 151, 255, 235

255, 255, 255


 206, 255, 232


 235, 255, 235


 151, 255, 235


 124, 226, 207

 98, 198, 181

 73, 170, 156


 48, 143, 132

 21, 117, 112

 0, 92, 92

 0, 67, 67

 0, 45, 45

 0, 17, 17

 151, 255, 235

 151, 255, 235

 126, 255, 231

 177, 255, 240

 100, 255, 225

 202, 255, 245

 75, 255, 221

 228, 255, 250

 49, 255, 215

 253, 255, 255

 24, 255, 211

 255, 255, 255

 0, 255, 206

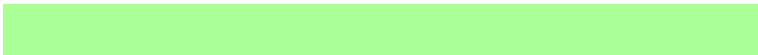
Harmonies

Analogous

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



118, 241, 121



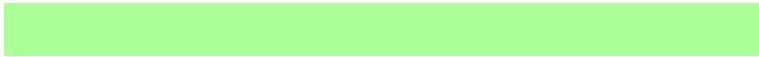
151, 255, 235



75, 180, 255

Triad

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



151, 255, 235



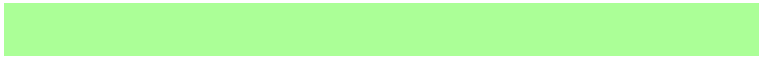
49, 150, 255



255, 187, 204

Complementary

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



151, 255, 235



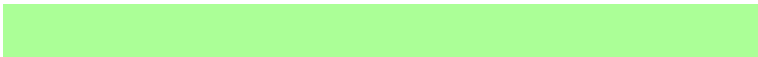
235, 151, 255

Split Complementary

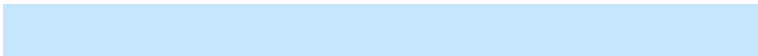
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 189, 255



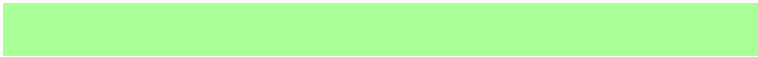
151, 255, 235



197, 218, 255

Square

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



151, 255, 235



0, 128, 255



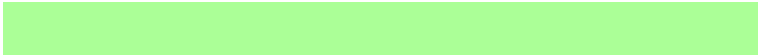
255, 206, 255



255, 247, 151

Rectangle

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



151, 255, 235



0, 130, 255



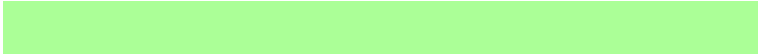
255, 206, 255



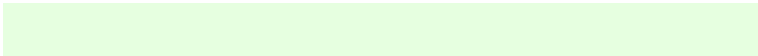
255, 185, 223

Sweetspot

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



151, 255, 235



224, 255, 249



177, 255, 151



110, 128, 125



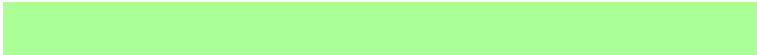
0, 0, 0



128, 128, 128

Same Dimension

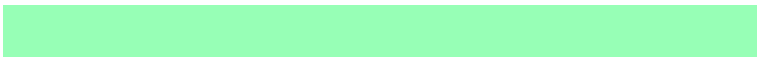
The Same Dimension uses a secret algorithm to generate beautiful new colors.



151, 255, 235



130, 255, 231



151, 231, 255



115, 128, 126



0, 191, 154



0, 64, 52

Inverse Universe

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



235, 151, 255



231, 130, 255



255, 151, 224



125, 115, 128



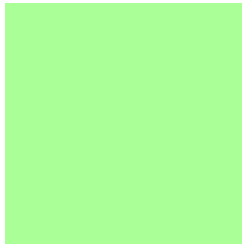
154, 0, 191



51, 0, 64

Previews

White Background



This preview shows how the RYB color 151, 255, 235 looks on a white background.

Color Contrast Check

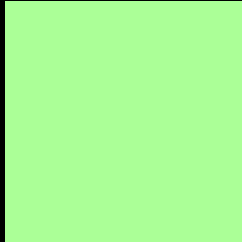
Large Text (above 18pt) WCAG AA × Fail

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 151, 255, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

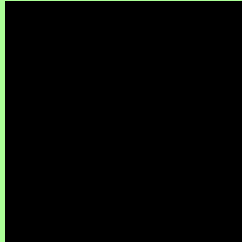
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

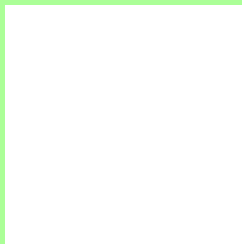
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 151, 255, 235 Background



This preview shows how black text looks on a background with the RYB color 151, 255, 235.

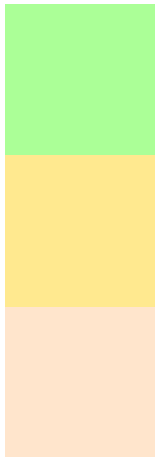


This preview shows how white text looks on a background with the RYB color 151, 255, 235.

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
151, 255, 235

Protanopia
170, 255, 143

Deuteranopia
255, 253, 204



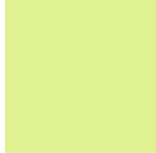
Tritanopia
201, 224, 255

Trichromacy



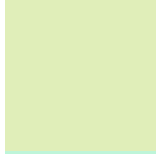
Original Color

151, 255, 235



Protanomaly

146, 241, 163



Deuteranomaly

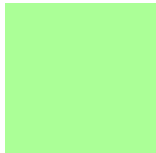
185, 238, 199



Tritanomaly

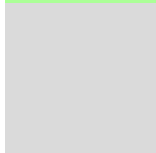
190, 227, 245

Monochromacy



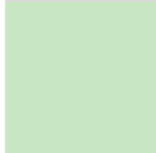
Original Color

151, 255, 235



Achromatopsia

218, 218, 218



Achromatomaly

194, 231, 224

CSS Examples

Text

The CSS property to change the color of the text to RYB 151, 255, 235 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(171, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 151)  
}
```

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(171, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 151) }
```

Border

The CSS property to change the border of an element to RYB 151, 255, 235 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(171, 255, 151) }
```

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

```
.border{ border-color:rgb(171, 255, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
151) }
```

Background

The CSS property to change the background color of an element to RYB 151, 255, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 151) }
```

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

```
.background{ background-color: rgb(171,  
255, 151) }
```

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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