

Converting Colors

`RYB(135, 238, 255)`

Have a look what the booklet for
RYB(135, 238, 255) contains.

RYB(135, 238, 255)	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(135, 238, 255)

Conversions

Conversions Part 1

Format	Color
Hex	87FF9B
RGB	135, 255, 155
RGB Percent	53%, 100%, 61%
CMY	0.4706, 0.0000, 0.3929
CMYK	0.47, 0.00, 0.39, 0.00
HSL	130°, 100%, 76%
HSV	130°, 47%, 100%
XYZ	51.6518, 79.0309, 43.4571
YIQ	207.7200, -39.4200, -56.5400

Conversions

Conversions Part 2

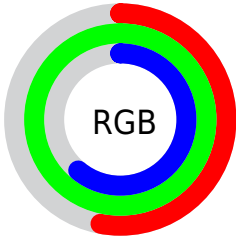
Format	Color
RYB	135, 238, 255
Decimal	8912795
CIELab	91.25, -54.25, 37.66
CIELCh	91, 66.042, 145.235
Yxy	79.0309, 0.2966, 0.4538
Android (android.graphics.Color)	4287102875 (0xFF87FF9B)
YUV	207.7200, -25.9910, -63.7754
Hunter-Lab	88.8993, -51.8628, 33.2465

Details

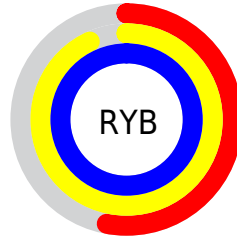
The RYB color **135, 238, 255** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **255, 135, 235**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **194, 242, 255**, and **75, 175, 197** is the 20% darker color. If you saturate the color by 10%, you get **110, 234, 255**, and if you desaturate by 10%, it is **161, 242, 255**.

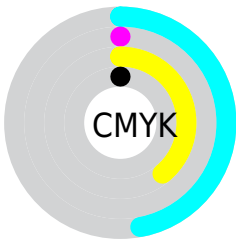
Distribution



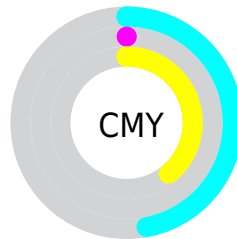
- Red (53%)
- Green (100%)
- Blue (61%)



- Red (53%)
- Yellow (93%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)



- Cyan (47%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 238, 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 135, 238, 255 by changing the saturation by 10% instead.

 135, 238, 255

255, 255, 255


 194, 242, 255


 224, 245, 255

254, 255, 255

 135, 238, 255

 105, 207, 226

 75, 175, 197

 39, 141, 170

 0, 104, 142

 0, 94, 116

 0, 90, 90

 0, 65, 65

 0, 43, 43

 0, 9, 9

■ 135, 238, 255

■ 135, 238, 255

■ 110, 234, 255

■ 161, 242, 255

■ 84, 231, 255

■ 186, 246, 255

■ 58, 227, 255

■ 212, 249, 255

■ 33, 223, 255

■ 237, 252, 255

■ 8, 221, 255

255, 255, 255

■ 0, 219, 255

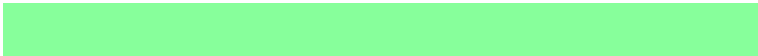
Harmonies

Analogous

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



110, 242, 139



135, 238, 255



0, 138, 255

Triad

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



135, 238, 255



72, 160, 255



255, 180, 179

Complementary

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



135, 238, 255



255, 135, 235

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, 176, 243



135, 238, 255



218, 217, 255

Square

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



135, 238, 255



0, 128, 255



255, 192, 255



223, 255, 127

Rectangle

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



135, 238, 255



0, 128, 255



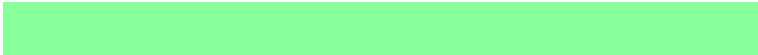
255, 192, 255



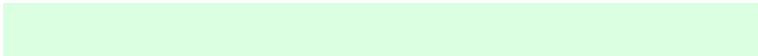
255, 176, 200

Sweetspot

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



135, 238, 255



219, 250, 255



135, 255, 153



106, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



135, 238, 255



112, 234, 255



135, 208, 255



115, 126, 128



0, 164, 191



0, 55, 64

Inverse Universe

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



255, 135, 235



255, 112, 231



255, 135, 177



128, 115, 125



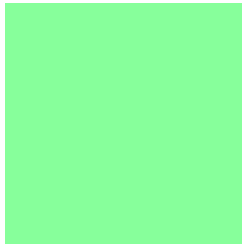
191, 0, 160



64, 0, 53

Previews

White Background



This preview shows how the RYB color 135, 238, 255 looks on a white background.

Color Contrast Check

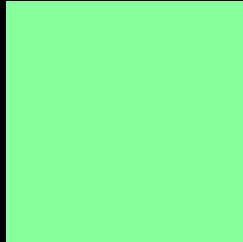
Large Text (above 18pt) WCAG AA × Fail

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 135, 238, 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

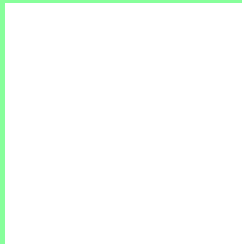
Any Text WCAG AAA ✓ Pass

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

RYB 135, 238, 255 Background



This preview shows how black text looks on a background with the RYB color 135, 238, 255.

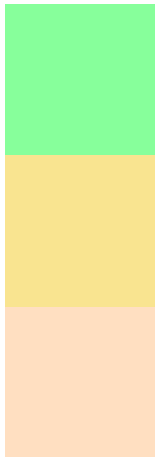


This preview shows how white text looks on a background with the RYB color 135, 238, 255.

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
135, 238, 255

Protanopia
170, 249, 144

Deuteranopia
255, 251, 193



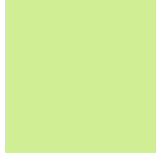
Tritanopia
177, 212, 255

Trichromacy



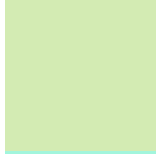
Original Color

135, 238, 255



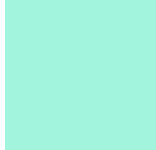
Protanomaly

148, 238, 178



Deuteranomaly

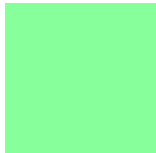
179, 235, 203



Tritanomaly

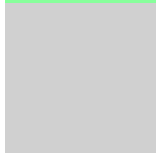
162, 211, 245

Monochromacy



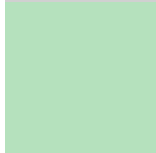
Original Color

135, 238, 255



Achromatopsia

208, 208, 208



Achromatomaly

181, 218, 225

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 238, 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(135, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 155)  
}
```

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(135, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 155) }
```

Border

The CSS property to change the border of an element to RYB 135, 238, 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(135, 255, 155) }
```

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

```
.border{ border-color:rgb(135, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
155) }
```

Background

The CSS property to change the background color of an element to RYB 135, 238, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 155) }
```

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

```
.background{ background-color: rgb(135,  
255, 155) }
```

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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