

Converting Colors

`RYB(137, 238, 219)`

Have a look what the booklet for
RYB(137, 238, 219) contains.

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Color

R_YB(137, 238, 219)

Conversions

Conversions Part 1

Format	Color
Hex	9CEE89
RGB	156, 238, 137
RGB Percent	61%, 93%, 54%
CMY	0.3882, 0.0667, 0.4627
CMYK	0.34, 0.00, 0.42, 0.07
HSL	109°, 75%, 74%
HSV	109°, 42%, 93%
XYZ	48.8002, 70.0231, 34.6107
YIQ	201.9680, -16.4510, -48.7950

Conversions

Conversions Part 2

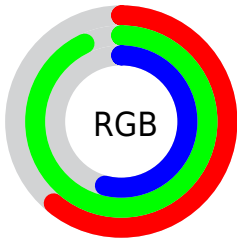
Format	Color
RYB	137, 238, 219
Decimal	10284681
CIELab	87.01, -43.63, 41.11
CIELCh	87, 59.943, 136.705
Yxy	70.0231, 0.3181, 0.4564
Android (android.graphics.Color)	4288474761 (0xFF9CEE89)
YUV	201.9680, -32.0292, -40.3139
Hunter-Lab	83.6798, -42.3425, 34.0530

Details

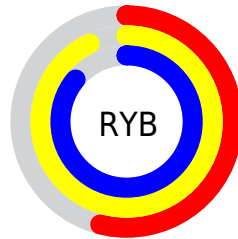
The RYB color **137, 238, 219** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **219, 137, 238**, and the grayscale version is **202, 202, 202**.

A 20% lighter version of the original color is **192, 255, 234**, and **85, 181, 166** is the 20% darker color. If you saturate the color by 10%, you get **113, 238, 214**, and if you desaturate by 10%, it is **161, 238, 224**.

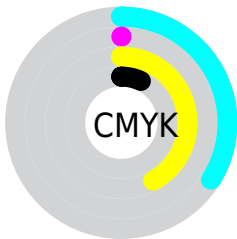
Distribution



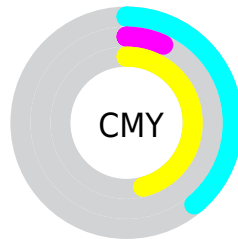
- Red (61%)
- Green (93%)
- Blue (54%)



- Red (54%)
- Yellow (93%)
- Blue (86%)



- Cyan (34%)
- Magenta (0%)
- Yellow (42%)
- Black (7%)



- Cyan (39%)
- Magenta (7%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 137, 238, 219 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 137, 238, 219 by changing the saturation by 10% instead.

 137, 238, 219

255, 255, 255


 192, 255, 234


 220, 255, 233


 249, 255, 249

 137, 238, 219

 111, 209, 192

 85, 181, 166


 60, 154, 141

 35, 128, 120

 1, 98, 102

 0, 77, 77

 0, 53, 53

 0, 32, 32

 0, 0, 0

 137, 238, 219

 137, 238, 219

 113, 238, 214

 161, 238, 224

 89, 238, 210

 185, 238, 228

 66, 238, 206

 208, 238, 232

 42, 238, 201

 232, 238, 237

 18, 238, 197

 253, 238, 255

 0, 238, 193

 255, 238, 255

Harmonies

Analogous

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



104, 225, 108



137, 238, 219



55, 166, 245

Triad

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



137, 238, 219



0, 121, 255



255, 171, 188

Complementary

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



137, 238, 219



219, 137, 238

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, 173, 246



137, 238, 219



181, 203, 255

Square

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



137, 238, 219



0, 124, 255



255, 191, 255



255, 218, 137

Rectangle

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



137, 238, 219



0, 128, 247



255, 191, 255



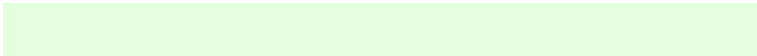
255, 170, 207

Sweetspot

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



137, 238, 219



222, 255, 249



162, 238, 137



107, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

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



137, 238, 219



125, 255, 231



137, 215, 238



108, 120, 118



0, 184, 149



0, 56, 45

Inverse Universe

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



219, 137, 238



231, 125, 255



238, 137, 208



118, 108, 120



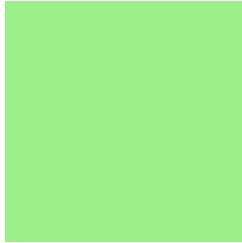
149, 0, 184



46, 0, 56

Previews

White Background



This preview shows how the RYB color 137, 238, 219 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 137, 238, 219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

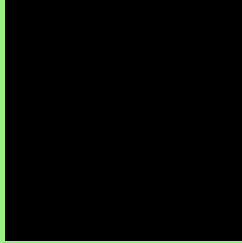
Any Text WCAG AA ✓ Pass

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 137, 238, 219 Background



This preview shows how black text looks on a background with the RYB color 137, 238, 219.

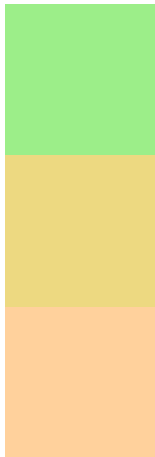


This preview shows how white text looks on a background with the RYB color 137, 238, 219.

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
137, 238, 219

Protanopia
154, 237, 129

Deuteranopia
242, 255, 156



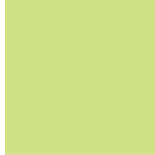
Tritanopia
175, 204, 244

Trichromacy



Original Color

137, 238, 219



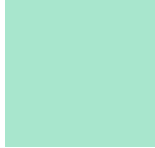
Protanomaly

132, 225, 149



Deuteranomaly

149, 220, 150



Tritanomaly

168, 207, 230

Monochromacy



Original Color

137, 238, 219



Achromatopsia

202, 202, 202



Achromatomaly

178, 215, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 137, 238, 219 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(156, 238, 137)` looks like.

```
.text, #text, p{  
    color:rgb(156, 238, 137)  
}
```

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(156, 238, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 238, 137) }
```

Border

The CSS property to change the border of an element to RYB 137, 238, 219 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(156, 238, 137) }
```

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

```
.border{ border-color:rgb(156, 238, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 238, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 238, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 238, 137);  
box-shadow:4px 4px 4px 4px rgb(156, 238,  
137) }
```

Background

The CSS property to change the background color of an element to RYB 137, 238, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 238, 137) }
```

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

```
.background{ background-color: rgb(156,  
238, 137) }
```

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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