

Converting Colors

`RYB(136, 238, 218)`

Have a look what the booklet for
RYB(136, 238, 218) contains.

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Color

R_YB(136, 238, 218)

Conversions

Conversions Part 1

Format	Color
Hex	9CEE88
RGB	156, 238, 136
RGB Percent	61%, 93%, 53%
CMY	0.3882, 0.0667, 0.4667
CMYK	0.34, 0.00, 0.43, 0.07
HSL	108°, 75%, 73%
HSV	108°, 43%, 93%
XYZ	48.7288, 69.9946, 34.2346
YIQ	201.8540, -16.1300, -49.1060

Conversions

Conversions Part 2

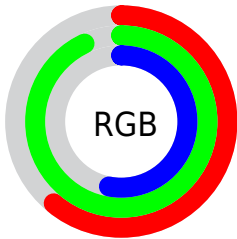
Format	Color
RYB	136, 238, 218
Decimal	10284680
CIELab	86.99, -43.76, 41.58
CIELCh	87, 60.366, 136.466
Yxy	69.9946, 0.3186, 0.4576
Android (android.graphics.Color)	4288474760 (0xFF9CEE88)
YUV	201.8540, -32.4660, -40.2140
Hunter-Lab	83.6628, -42.4438, 34.3026

Details

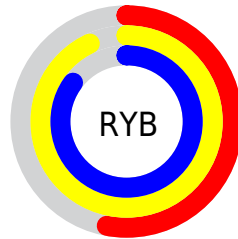
The RYB color **136, 238, 218** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **218, 136, 238**, and the grayscale version is **202, 202, 202**.

A 20% lighter version of the original color is **191, 255, 233**, and **84, 181, 165** is the 20% darker color. If you saturate the color by 10%, you get **112, 238, 213**, and if you desaturate by 10%, it is **160, 238, 223**.

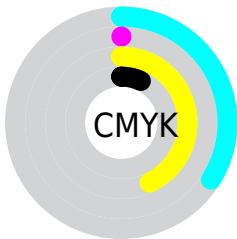
Distribution



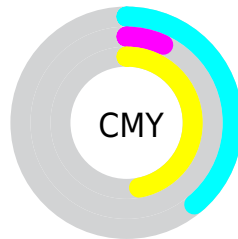
- Red (61%)
- Green (93%)
- Blue (53%)



- Red (53%)
- Yellow (93%)
- Blue (85%)



- Cyan (34%)
- Magenta (0%)
- Yellow (43%)
- Black (7%)



- Cyan (39%)
- Magenta (7%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 136, 238, 218 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 136, 238, 218 by changing the saturation by 10% instead.

 136, 238, 218

255, 255, 255


 191, 255, 233


 219, 255, 231


 248, 255, 248

 136, 238, 218

 110, 209, 191

 84, 181, 165


 59, 154, 140

 34, 128, 119

 1, 100, 102

 0, 77, 77

 0, 53, 53

 0, 32, 32

 0, 0, 0

 136, 238, 218

 136, 238, 218

 112, 238, 213

 160, 238, 223

 88, 238, 208

 184, 238, 228

 65, 238, 204

 207, 238, 232

 41, 238, 200

 231, 238, 236

 17, 238, 195

 252, 238, 255

 0, 238, 191

 255, 238, 255

Harmonies

Analogous

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



103, 225, 107



136, 238, 218



54, 166, 245

Triad

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



136, 238, 218



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.



136, 238, 218



218, 136, 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



136, 238, 218



179, 202, 255

Square

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



136, 238, 218



0, 124, 255



255, 190, 255



255, 218, 137

Rectangle

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



136, 238, 218



0, 128, 247



255, 190, 255



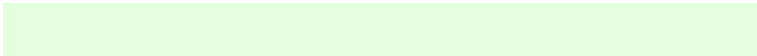
255, 169, 208

Sweetspot

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



136, 238, 218



222, 255, 249



161, 238, 136



107, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

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



136, 238, 218



125, 255, 230



136, 214, 238



108, 120, 118



0, 184, 148



0, 56, 45

Inverse Universe

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



218, 136, 238



230, 125, 255



238, 136, 207



118, 108, 120



148, 0, 184



45, 0, 56

Previews

White Background



This preview shows how the RYB color 136, 238, 218 looks on a white background.

Color Contrast Check

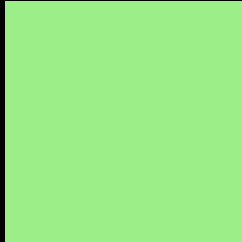
Large Text (above 18pt) WCAG AA × Fail

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 136, 238, 218 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 136, 238, 218 Background



This preview shows how black text looks on a background with the RYB color 136, 238, 218.

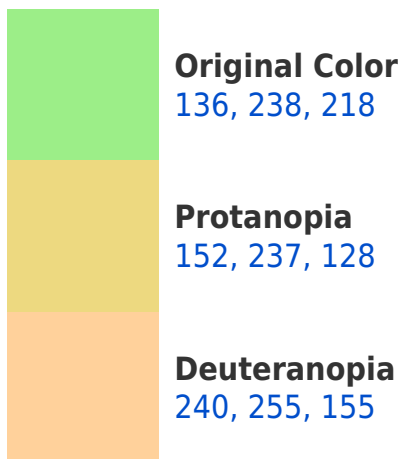


This preview shows how white text looks on a background with the RYB color 136, 238, 218.

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





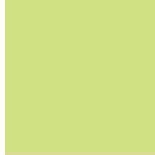
Tritanopia
175, 204, 244

Trichromacy



Original Color

136, 238, 218



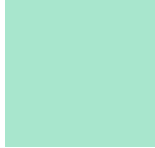
Protanomaly

131, 225, 148



Deuteranomaly

148, 220, 149



Tritanomaly

168, 207, 230

Monochromacy



Original Color

136, 238, 218



Achromatopsia

202, 202, 202



Achromatomaly

178, 215, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 136, 238, 218 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(156, 238, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 238, 136) }
```

Border

The CSS property to change the border of an element to RYB 136, 238, 218 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, 136) }
```

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

```
.border{ border-color:rgb(156, 238, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 238, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 238, 136);  
box-shadow:4px 4px 4px 4px rgb(156, 238,  
136) }
```

Background

The CSS property to change the background color of an element to RYB 136, 238, 218 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, 136) }
```

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

```
.background{ background-color: rgb(156,  
238, 136) }
```

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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