

Converting Colors

`RYB(133, 224, 188)`

Have a look what the booklet for
RYB(133, 224, 188) contains.

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Color

R_YB(133, 224, 188)

Conversions

Conversions Part 1

Format	Color
Hex	A9E085
RGB	169, 224, 133
RGB Percent	66%, 88%, 52%
CMY	0.3373, 0.1216, 0.4784
CMYK	0.25, 0.00, 0.41, 0.12
HSL	96°, 59%, 70%
HSV	96°, 41%, 88%
XYZ	47.2515, 63.4398, 31.9450
YIQ	197.1810, -3.5690, -39.9610

Conversions

Conversions Part 2

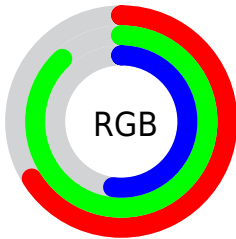
Format	Color
RYB	133, 224, 188
Decimal	11133061
CIELab	83.67, -33.53, 38.95
CIELCh	84, 51.401, 130.724
Yxy	63.4398, 0.3313, 0.4448
Android (android.graphics.Color)	4289323141 (0xFFA9E085)
YUV	197.1810, -31.6412, -24.7147
Hunter-Lab	79.6491, -33.4916, 31.9748

Details

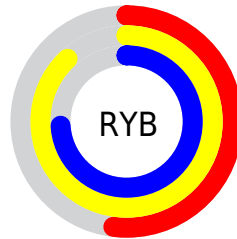
The RYB color **133, 224, 188** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **188, 133, 224**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **187, 255, 216**, and **82, 168, 135** is the 20% darker color. If you saturate the color by 10%, you get **111, 224, 180**, and if you desaturate by 10%, it is **155, 224, 196**.

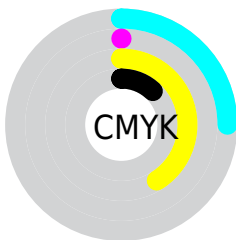
Distribution



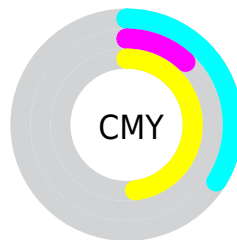
- Red (66%)
- Green (88%)
- Blue (52%)



- Red (52%)
- Yellow (88%)
- Blue (74%)



- Cyan (25%)
- Magenta (0%)
- Yellow (41%)
- Black (12%)



- Cyan (34%)
- Magenta (12%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 133, 224, 188 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 133, 224, 188 by changing the saturation by 10% instead.

 133, 224, 188


255, 255, 255

 187, 255, 216


 215, 255, 215


 244, 255, 244

 133, 224, 188


 107, 196, 161

 82, 168, 135

 57, 142, 111

 32, 116, 86

 4, 91, 59

 0, 67, 61


 0, 44, 44

 0, 21, 21

 0, 0, 0

 133, 224, 188

 133, 224, 188

 111, 224, 180

 155, 224, 196

 88, 224, 170

 178, 224, 206

 66, 224, 162

 200, 224, 214

 43, 224, 152

 223, 224, 224

 21, 224, 144

 237, 224, 245

 0, 224, 135

 250, 224, 255

 255, 224, 255

Harmonies

Analogous

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



123, 222, 111



133, 224, 188



103, 186, 232

Triad

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



133, 224, 188



48, 143, 255



255, 169, 193

Complementary

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



133, 224, 188



188, 133, 224

Split Complementary

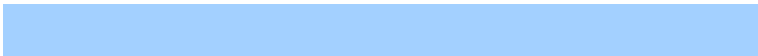
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 174, 242



133, 224, 188



163, 193, 255

Square

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



133, 224, 188



0, 121, 255



236, 189, 255



255, 190, 148

Rectangle

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



133, 224, 188



25, 136, 234



236, 189, 255



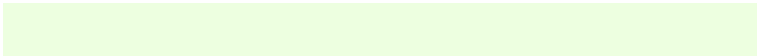
255, 169, 209

Sweetspot

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



133, 224, 188



224, 255, 242



193, 224, 133



110, 128, 121



0, 0, 0



128, 128, 128

Same Dimension

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



133, 224, 188



130, 255, 206



133, 216, 224



101, 112, 108



0, 176, 106



0, 48, 29

Inverse Universe

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



188, 133, 224



206, 130, 255



224, 133, 215



108, 101, 112



106, 0, 176



29, 0, 48

Previews

White Background



This preview shows how the RYB color 133, 224, 188 looks on a white background.

Color Contrast Check

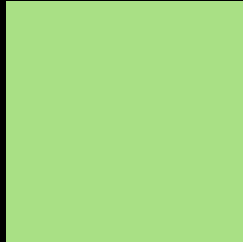
Large Text (above 18pt) WCAG AA × Fail

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 133, 224, 188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

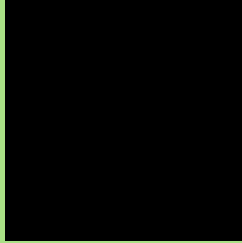
Any Text WCAG AA ✓ Pass

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 133, 224, 188 Background



This preview shows how black text looks on a background with the RYB color 133, 224, 188.

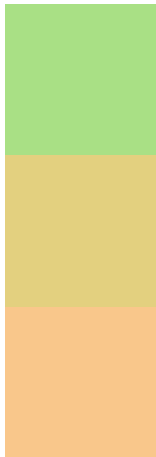


This preview shows how white text looks on a background with the RYB color 133, 224, 188.

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
133, 224, 188

Protanopia
150, 227, 127

Deuteranopia
231, 249, 139



Tritanopia
184, 202, 230

Trichromacy



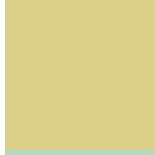
Original Color

133, 224, 188



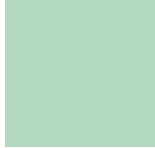
Protanomaly

129, 214, 137



Deuteranomaly

151, 220, 137



Tritanomaly

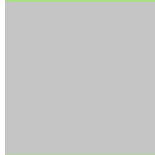
179, 206, 217

Monochromacy



Original Color

133, 224, 188



Achromatopsia

197, 197, 197



Achromatomaly

174, 207, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 133, 224, 188 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(169, 224, 133)` looks like.

```
.text, #text, p{  
    color:rgb(169, 224, 133)  
}
```

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(169, 224, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 224, 133) }
```

Border

The CSS property to change the border of an element to RYB 133, 224, 188 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(169, 224, 133) }
```

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

```
.border{ border-color:rgb(169, 224, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 224, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 224, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 224, 133);  
box-shadow:4px 4px 4px 4px rgb(169, 224,  
133) }
```

Background

The CSS property to change the background color of an element to RYB 133, 224, 188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 224, 133) }
```

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

```
.background{ background-color: rgb(169,  
224, 133) }
```

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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