

Converting Colors

`RYB(122, 224, 187)`

Have a look what the booklet for
RYB(122, 224, 187) contains.

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Color

R_YB(122, 224, 187)

Conversions

Conversions Part 1

Format	Color
Hex	9FE07A
RGB	159, 224, 122
RGB Percent	62%, 88%, 48%
CMY	0.3765, 0.1216, 0.5216
CMYK	0.29, 0.00, 0.46, 0.12
HSL	98°, 62%, 68%
HSV	98°, 46%, 88%
XYZ	44.4666, 62.0874, 28.0528
YIQ	192.9370, -5.9980, -45.5020

Conversions

Conversions Part 2

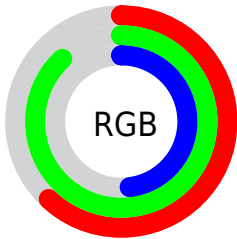
Format	Color
RYB	122, 224, 187
Decimal	10477690
CIELab	82.96, -38.40, 43.36
CIElCh	83, 57.917, 131.529
Yxy	62.0874, 0.3303, 0.4613
Android (android.graphics.Color)	4288667770 (0xFF9FE07A)
YUV	192.9370, -34.9719, -29.7627
Hunter-Lab	78.7955, -37.1595, 34.0485

Details

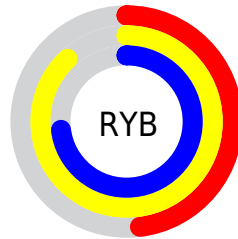
The RYB color **122, 224, 187** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **187, 122, 224**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **176, 255, 215**, and **71, 168, 135** is the 20% darker color. If you saturate the color by 10%, you get **100, 224, 179**, and if you desaturate by 10%, it is **144, 224, 195**.

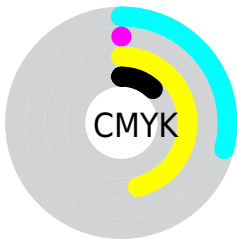
Distribution



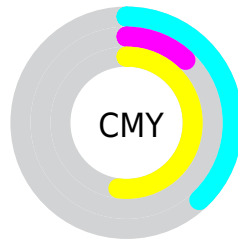
- Red (62%)
- Green (88%)
- Blue (48%)



- Red (48%)
- Yellow (88%)
- Blue (73%)



- Cyan (29%)
- Magenta (0%)
- Yellow (46%)
- Black (12%)



- Cyan (38%)
- Magenta (12%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 224, 187 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 122, 224, 187 by changing the saturation by 10% instead.

 122, 224, 187


255, 255, 255


 176, 255, 215


 204, 255, 214


 233, 255, 233

 122, 224, 187

 96, 196, 161

 71, 168, 135


 45, 142, 110

 18, 116, 84

 0, 91, 72

 0, 66, 66

 0, 44, 44

 0, 18, 18

 0, 0, 0

■ 122, 224, 187

■ 122, 224, 187

■ 100, 224, 179

■ 144, 224, 195

■ 77, 224, 171

■ 167, 224, 203

■ 55, 224, 163

■ 189, 224, 211

■ 32, 224, 154

■ 212, 224, 220

■ 10, 224, 146

■ 230, 224, 234

■ 0, 224, 143

■ 245, 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.



106, 219, 96



122, 224, 187



75, 173, 232

Triad

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



122, 224, 187



0, 119, 255



255, 161, 188

Complementary

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



122, 224, 187



187, 122, 224

Split Complementary

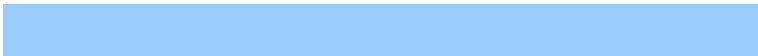
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 166, 242



122, 224, 187



153, 187, 255

Square

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



122, 224, 187



0, 121, 255



238, 184, 255



255, 187, 137

Rectangle

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



122, 224, 187



0, 124, 234



238, 184, 255



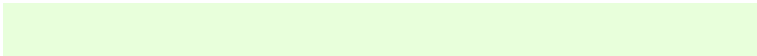
255, 161, 206

Sweetspot

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



122, 224, 187



219, 255, 242



180, 224, 122



106, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



122, 224, 187



115, 255, 204



122, 212, 224



101, 112, 108



0, 176, 112



0, 48, 30

Inverse Universe

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



187, 122, 224



204, 115, 255



224, 122, 210



108, 101, 112



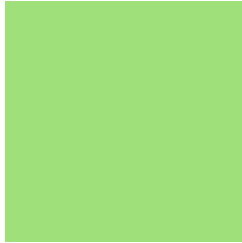
112, 0, 176



31, 0, 48

Previews

White Background



This preview shows how the RYB color 122, 224, 187 looks on a white background.

Color Contrast Check

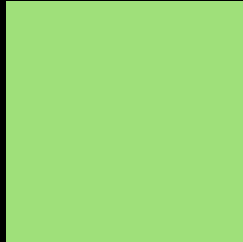
Large Text (above 18pt) WCAG AA × Fail

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 122, 224, 187 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 122, 224, 187 Background



This preview shows how black text looks on a background with the RYB color 122, 224, 187.

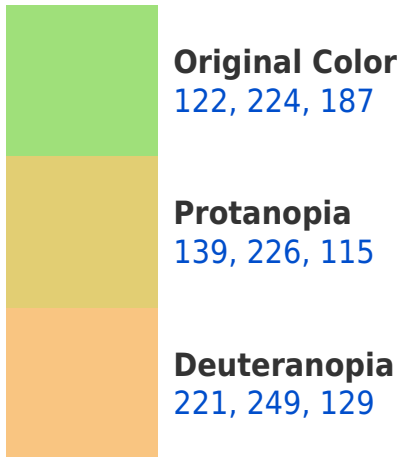


This preview shows how white text looks on a background with the RYB color 122, 224, 187.

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
176, 197, 229

Trichromacy



Original Color

122, 224, 187



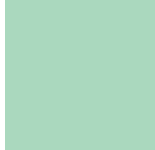
Protanomaly

118, 213, 129



Deuteranomaly

136, 216, 126



Tritanomaly

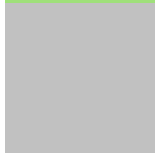
170, 202, 216

Monochromacy



Original Color

122, 224, 187



Achromatopsia

193, 193, 193



Achromatomaly

167, 204, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 224, 187 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(159, 224, 122)` looks like.

```
.text, #text, p{  
    color:rgb(159, 224, 122)  
}
```

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(159, 224, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 224, 122) }
```

Border

The CSS property to change the border of an element to RYB 122, 224, 187 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(159, 224, 122) }
```

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

```
.border{ border-color:rgb(159, 224, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 224, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 224, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 224, 122);  
box-shadow:4px 4px 4px 4px rgb(159, 224,  
122) }
```

Background

The CSS property to change the background color of an element to RYB 122, 224, 187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 224, 122) }
```

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

```
.background{ background-color: rgb(159,  
224, 122) }
```

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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