

Converting Colors

`RYB(118, 227, 188)`

Have a look what the booklet for
RYB(118, 227, 188) contains.

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Color

R_YB(118, 227, 188)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9DE376 |
| RGB | 157, 227, 118 |
| RGB Percent | 62%, 89%, 46% |
| CMY | 0.3843, 0.1098, 0.5373 |
| CMYK | 0.31, 0.00, 0.48, 0.11 |
| HSL | 99°, 66%, 68% |
| HSV | 99°, 48%, 89% |
| XYZ | 44.6437, 63.4143, 27.0267 |
| YIQ | 193.6440, -6.7310, -48.7390 |

Conversions

Conversions Part 2

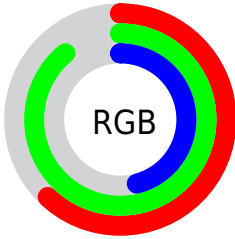
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 118, 227, 188 |
| Decimal | 10347382 |
| CIELab | 83.66, -40.90, 46.14 |
| CIElCh | 84, 61.656, 131.559 |
| Yxy | 63.4143, 0.3305, 0.4694 |
| Android (android.graphics.Color) | 4288537462 (0xFF9DE376) |
| YUV | 193.6440, -37.2925, -32.1368 |
| Hunter-Lab | 79.6331, -39.2876, 35.6207 |

Details

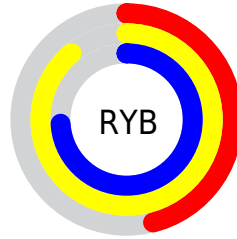
The RYB color **118, 227, 188** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **188, 118, 227**, and the grayscale version is **194, 194, 194**.

A 20% lighter version of the original color is **172, 255, 213**, and **66, 171, 135** is the 20% darker color. If you saturate the color by 10%, you get **95, 227, 180**, and if you desaturate by 10%, it is **141, 227, 196**.

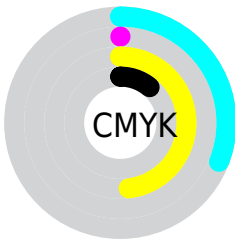
Distribution



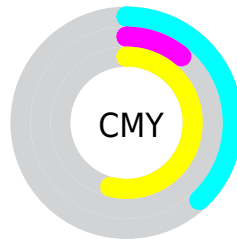
- Red (62%)
- Green (89%)
- Blue (46%)



- Red (46%)
- Yellow (89%)
- Blue (74%)



- Cyan (31%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)



- Cyan (38%)
- Magenta (11%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 227, 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 118, 227, 188 by changing the saturation by 10% instead.

 118, 227, 188


255, 255, 255


 172, 255, 213


 200, 255, 212


 229, 255, 229

 118, 227, 188


 92, 199, 162

 66, 171, 135

 40, 144, 109

 9, 118, 81

 0, 93, 83

 0, 69, 69

 0, 46, 46


 0, 21, 21

 0, 0, 0

 118, 227, 188

 118, 227, 188

 95, 227, 180

 141, 227, 196

 73, 227, 172

 163, 227, 204

 50, 227, 164

 186, 227, 212

 27, 227, 155

 209, 227, 221

 5, 227, 148

 230, 227, 232

 0, 227, 146

 244, 227, 254

 255, 227, 255

Harmonies

Analogous

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



98, 221, 89



118, 227, 188



59, 167, 235

Triad

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



118, 227, 188



0, 120, 255



255, 159, 188

Complementary

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



118, 227, 188



188, 118, 227

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, 164, 247



118, 227, 188



149, 186, 255

Square

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



118, 227, 188



0, 122, 255



242, 184, 255



255, 187, 134

Rectangle

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



118, 227, 188



0, 126, 238



242, 184, 255



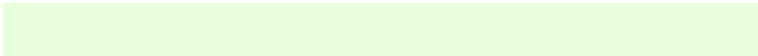
255, 158, 208

Sweetspot

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



118, 227, 188



219, 255, 242



181, 227, 118



106, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



118, 227, 188



107, 255, 202



118, 214, 227



103, 115, 111



0, 179, 115



0, 51, 33

Inverse Universe

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



188, 118, 227



202, 107, 255



227, 118, 212



111, 103, 115



115, 0, 179



33, 0, 51

Previews

White Background



This preview shows how the RYB color 118, 227, 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 118, 227, 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 118, 227, 188 Background



This preview shows how black text looks on a background with the RYB color 118, 227, 188.

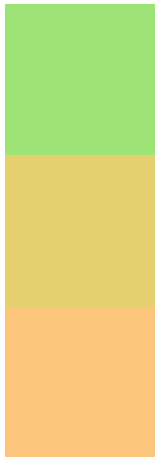


This preview shows how white text looks on a background with the RYB color 118, 227, 188.

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](#).

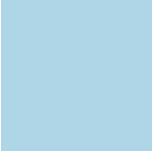
Dichromacy



Original Color
118, 227, 188

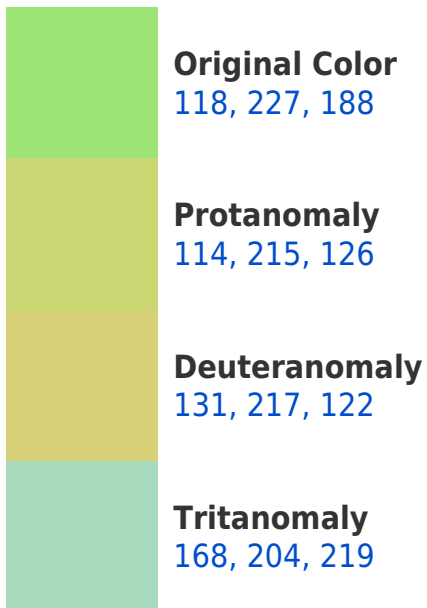
Protanopia
137, 229, 111

Deuteranopia
219, 252, 125

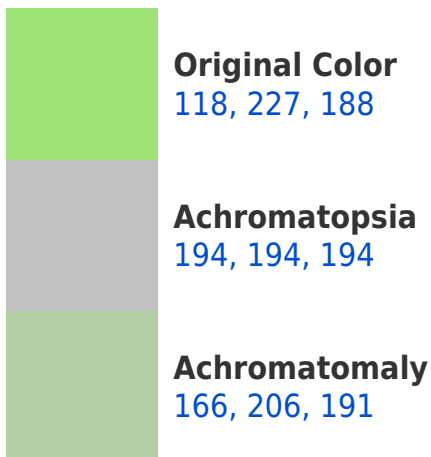


Tritanopia
175, 198, 231

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 118, 227, 157 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(157, 227, 118)` looks like.

```
.text, #text, p{  
    color:rgb(157, 227, 118)  
}
```

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(157, 227, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 227, 118) }
```

Border

The CSS property to change the border of an element to RYB 118, 227, 188 is called "border". The border property can be set on classes, ids or directly on the HTML element.

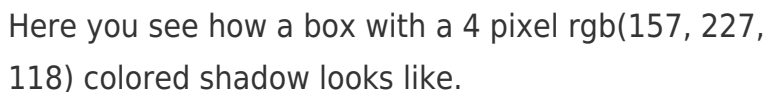
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 227, 118) }
```

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

```
.border{ border-color:rgb(157, 227, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 227, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 227, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 227, 118); box-shadow:4px 4px 4px 4px rgb(157, 227, 118) }
```

Background

The CSS property to change the background color of an element to RYB 118, 227, 188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 227, 118) }
```

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

```
.background{ background-color: rgb(157,  
227, 118) }
```

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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