

Converting Colors

`RYB(101, 224, 187)`

Have a look what the booklet for
RYB(101, 224, 187) contains.

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Color

R_YB(101, 224, 187)

Conversions

Conversions Part 1

Format	Color
Hex	8AE065
RGB	138, 224, 101
RGB Percent	54%, 88%, 40%
CMY	0.4588, 0.1216, 0.6039
CMYK	0.38, 0.00, 0.55, 0.12
HSL	102°, 66%, 64%
HSV	102°, 55%, 88%
XYZ	39.4859, 59.6542, 21.7452
YIQ	184.2640, -11.7730, -56.4850

Conversions

Conversions Part 2

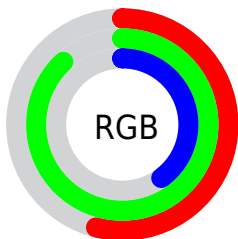
Format	Color
RYB	101, 224, 187
Decimal	9101413
CIELab	81.65, -47.82, 51.46
CIElCh	82, 70.248, 132.903
Yxy	59.6542, 0.3266, 0.4935
Android (android.graphics.Color)	4287291493 (0xFF8AE065)
YUV	184.2640, -41.0492, -40.5735
Hunter-Lab	77.2361, -43.9076, 37.3727

Details

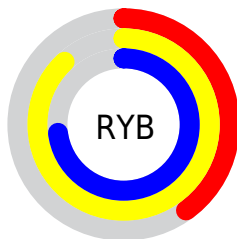
The RYB color **101, 224, 187** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **187, 101, 224**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **155, 255, 215**, and **48, 168, 135** is the 20% darker color. If you saturate the color by 10%, you get **79, 224, 181**, and if you desaturate by 10%, it is **123, 224, 193**.

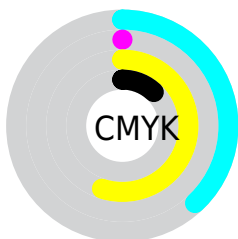
Distribution



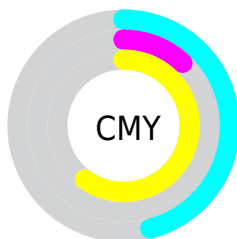
- Red (54%)
- Green (88%)
- Blue (40%)



- Red (40%)
- Yellow (88%)
- Blue (73%)



- Cyan (38%)
- Magenta (0%)
- Yellow (55%)
- Black (12%)




- Cyan (46%)
- Magenta (12%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 101, 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 101, 224, 187 by changing the saturation by 10% instead.

 101, 224, 187


255, 255, 255


 155, 255, 215


 183, 255, 213


 211, 255, 212


 240, 255, 240

 101, 224, 187


 75, 196, 161

 48, 168, 135


 17, 141, 107

 0, 115, 105

 0, 90, 90

 0, 65, 65

 0, 44, 44

 0, 11, 11

 0, 0, 0

■ 101, 224, 187

■ 101, 224, 187

■ 79, 224, 181

■ 123, 224, 193

■ 56, 224, 173

■ 146, 224, 201

■ 34, 224, 167

■ 168, 224, 207

■ 11, 224, 160

■ 191, 224, 214

■ 0, 224, 157

■ 213, 224, 221

■ 232, 224, 235

■ 248, 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.



66, 212, 63



101, 224, 187



0, 137, 233

Triad

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



101, 224, 187



0, 118, 255



255, 143, 177

Complementary

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



101, 224, 187



187, 101, 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, 149, 243



101, 224, 187



132, 176, 255

Square

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



101, 224, 187



0, 121, 255



243, 173, 255



255, 180, 116

Rectangle

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



101, 224, 187



0, 125, 235



243, 173, 255



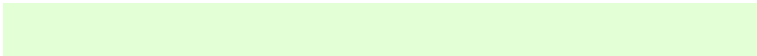
255, 142, 199

Sweetspot

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



101, 224, 187



214, 255, 243



158, 224, 101



103, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



101, 224, 187



87, 255, 205



101, 205, 224



101, 112, 109



0, 176, 123



0, 48, 33

Inverse Universe

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



187, 101, 224



204, 87, 255



224, 101, 201



109, 101, 112



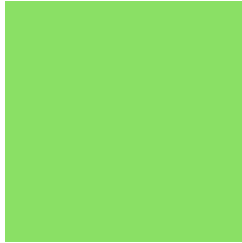
123, 0, 176



34, 0, 48

Previews

White Background



This preview shows how the RYB color 101, 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 101, 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 101, 224, 187 Background



This preview shows how black text looks on a background with the RYB color 101, 224, 187.

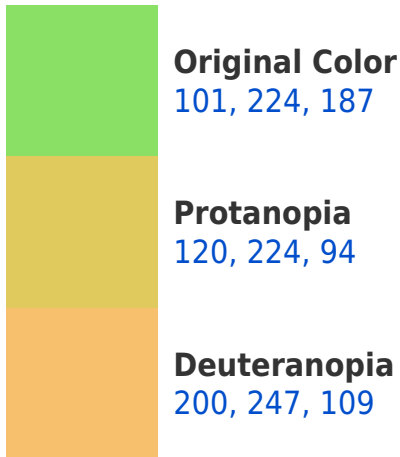


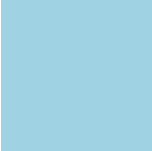
This preview shows how white text looks on a background with the RYB color 101, 224, 187.

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
159, 188, 227

Trichromacy



Original Color

101, 224, 187



Protanomaly

97, 210, 114



Deuteranomaly

109, 207, 106



Tritanomaly

151, 195, 216

Monochromacy



Original Color

101, 224, 187



Achromatopsia

184, 184, 184



Achromatomaly

154, 199, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 101, 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(138, 224, 101)` looks like.

```
.text, #text, p{  
    color:rgb(138, 224, 101)  
}
```

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(138, 224, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 224, 101) }
```

Border

The CSS property to change the border of an element to RYB 101, 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(138, 224, 101) }
```

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

```
.border{ border-color:rgb(138, 224, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 224, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 224, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 224, 101);  
box-shadow:4px 4px 4px 4px rgb(138, 224,  
101) }
```

Background

The CSS property to change the background color of an element to RYB 101, 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(138, 224, 101) }
```

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

```
.background{ background-color: rgb(138,  
224, 101) }
```

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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