

Converting Colors

`RYB(107, 228, 184)`

Have a look what the booklet for
RYB(107, 228, 184) contains.

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Color

R_YB(107, 228, 184)

Conversions

Conversions Part 1

Format	Color
Hex	97E46B
RGB	151, 228, 107
RGB Percent	59%, 89%, 42%
CMY	0.4078, 0.1059, 0.5804
CMYK	0.34, 0.00, 0.53, 0.11
HSL	98°, 69%, 66%
HSV	98°, 53%, 89%
XYZ	43.1597, 63.1277, 23.8200
YIQ	191.1830, -7.0510, -53.9550

Conversions

Conversions Part 2

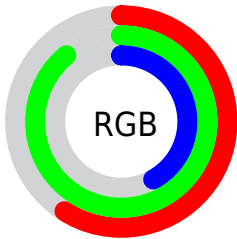
Format	Color
RYB	107, 228, 184
Decimal	9954411
CIELab	83.51, -44.61, 51.06
CIELCh	84, 67.800, 131.143
Yxy	63.1277, 0.3317, 0.4852
Android (android.graphics.Color)	4288144491 (0xFF97E46B)
YUV	191.1830, -41.5022, -35.2405
Hunter-Lab	79.4529, -42.0793, 37.8419

Details

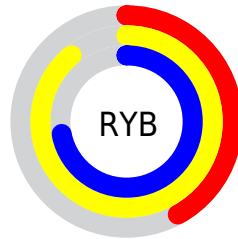
The RYB color **107, 228, 184** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **184, 107, 228**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **161, 255, 208**, and **54, 172, 131** is the 20% darker color. If you saturate the color by 10%, you get **84, 228, 176**, and if you desaturate by 10%, it is **130, 228, 192**.

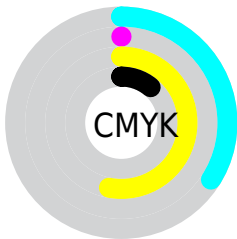
Distribution



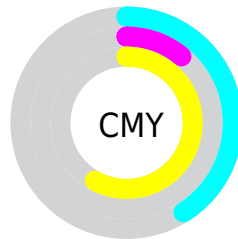
- Red (59%)
- Green (89%)
- Blue (42%)



- Red (42%)
- Yellow (89%)
- Blue (72%)



- Cyan (34%)
- Magenta (0%)
- Yellow (53%)
- Black (11%)



- Cyan (41%)
- Magenta (11%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 228, 184 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 107, 228, 184 by changing the saturation by 10% instead.

 107, 228, 184

255, 255, 255

 161, 255, 208


 189, 255, 206


 217, 255, 217


 246, 255, 246

 107, 228, 184

 81, 200, 158

 54, 172, 131

 25, 145, 103

 0, 119, 83

 0, 93, 93

 0, 69, 69

 0, 46, 46

 0, 21, 21

 0, 0, 0

■ 107, 228, 184

■ 107, 228, 184

■ 84, 228, 176

■ 130, 228, 192

■ 61, 228, 167

■ 153, 228, 201

■ 39, 228, 160

■ 175, 228, 208

■ 16, 228, 151

■ 198, 228, 217

■ 0, 228, 145

■ 221, 228, 225

■ 238, 228, 244

■ 253, 228, 255

■ 255, 228, 255

Harmonies

Analogous

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



84, 221, 74



107, 228, 184



0, 140, 237

Triad

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



107, 228, 184



0, 120, 255



255, 151, 187

Complementary

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



107, 228, 184



184, 107, 228

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, 158, 251



107, 228, 184



135, 180, 255

Square

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



107, 228, 184



0, 123, 255



243, 181, 255



255, 183, 127

Rectangle

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



107, 228, 184



0, 128, 239



243, 181, 255



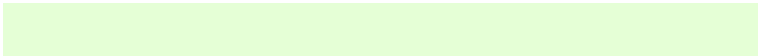
255, 151, 208

Sweetspot

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



107, 228, 184



214, 255, 240



176, 228, 107



103, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

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



107, 228, 184



92, 255, 196



107, 214, 228



103, 115, 111



0, 179, 114



0, 51, 32

Inverse Universe

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



184, 107, 228



196, 92, 255



228, 107, 212



111, 103, 115



114, 0, 179



32, 0, 51

Previews

White Background



This preview shows how the RYB color 107, 228, 184 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 107, 228, 184 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 107, 228, 184 Background



This preview shows how black text looks on a background with the RYB color 107, 228, 184.

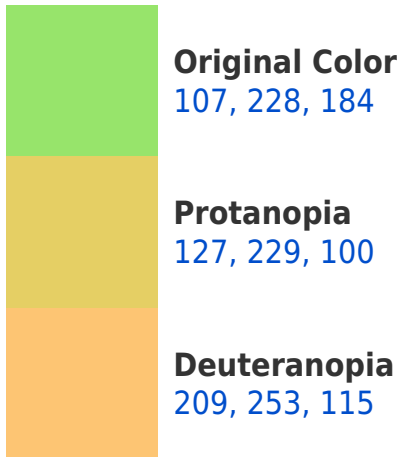


This preview shows how white text looks on a background with the RYB color 107, 228, 184.

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
171, 197, 232

Trichromacy



Original Color

107, 228, 184



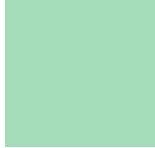
Protanomaly

103, 215, 117



Deuteranomaly

121, 216, 112



Tritanomaly

164, 204, 220

Monochromacy



Original Color

107, 228, 184



Achromatopsia

191, 191, 191



Achromatomaly

160, 204, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 107, 228, 184 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(151, 228, 107)` looks like.

```
.text, #text, p{  
    color:rgb(151, 228, 107)  
}
```

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(151, 228, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 228, 107) }
```

Border

The CSS property to change the border of an element to RYB 107, 228, 184 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(151, 228, 107) }
```

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

```
.border{ border-color:rgb(151, 228, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 228, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 228, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 228, 107); box-shadow:4px 4px 4px 4px rgb(151, 228, 107) }
```

Background

The CSS property to change the background color of an element to RYB 107, 228, 184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 228, 107) }
```

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

```
.background{ background-color: rgb(151,  
228, 107) }
```

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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