

Converting Colors

`RYB(97, 227, 191)`

Have a look what the booklet for
RYB(97, 227, 191) contains.

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Color

R_YB(97, 227, 191)

Conversions

Conversions Part 1

Format	Color
Hex	85E361
RGB	133, 227, 97
RGB Percent	52%, 89%, 38%
CMY	0.4784, 0.1098, 0.6196
CMYK	0.41, 0.00, 0.57, 0.11
HSL	103°, 70%, 64%
HSV	103°, 57%, 89%
XYZ	39.2996, 60.7878, 20.9712
YIQ	184.0740, -14.2940, -60.3580

Conversions

Conversions Part 2

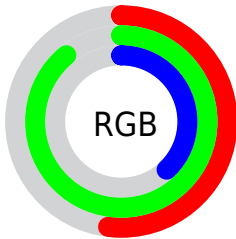
Format	Color
RYB	97, 227, 191
Decimal	8774497
CIELab	82.26, -51.06, 53.92
CIELCh	82, 74.260, 133.439
Yxy	60.7878, 0.3246, 0.5021
Android (android.graphics.Color)	4286964577 (0xFF85E361)
YUV	184.0740, -42.9275, -44.7919
Hunter-Lab	77.9665, -46.4671, 38.6289

Details

The RYB color **97, 227, 191** is a light color, and the websafe version is hex **66CC33**. A complement of this color would be **191, 97, 227**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **151, 255, 215**, and **43, 171, 139** is the 20% darker color. If you saturate the color by 10%, you get **74, 227, 184**, and if you desaturate by 10%, it is **120, 227, 198**.

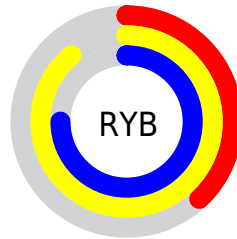
Distribution



Red (52%)

Green (89%)

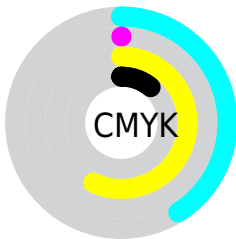
Blue (38%)



Red (38%)

Yellow (89%)

Blue (75%)

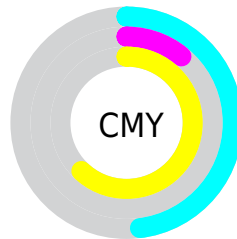


Cyan (41%)

Magenta (0%)

Yellow (57%)

Black (11%)



Cyan (48%)
















Magenta (11%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 97, 227, 191 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 97, 227, 191 by changing the saturation by 10% instead.

 97, 227, 191	 97, 227, 191
255, 255, 255	 70, 199, 165
 151, 255, 215	 43, 171, 139
 179, 255, 214	 6, 144, 108
 207, 255, 212	 0, 117, 117
 236, 255, 236	 0, 92, 92
	 0, 67, 67
	 0, 45, 45
	 0, 15, 15
	 0, 0, 0

■ 97, 227, 191

■ 97, 227, 191

■ 74, 227, 184

■ 120, 227, 198

■ 52, 227, 179

■ 142, 227, 203

■ 29, 227, 172

■ 165, 227, 210

■ 6, 227, 166

■ 188, 227, 216

■ 0, 227, 164

■ 211, 227, 223

■ 231, 227, 233

■ 248, 227, 255

■ 255, 227, 255

Harmonies

Analogous

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



55, 212, 54



97, 227, 191



0, 140, 236

Triad

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



97, 227, 191



0, 119, 255



255, 140, 176

Complementary

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



97, 227, 191



191, 97, 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, 146, 246



97, 227, 191



129, 175, 255

Square

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



97, 227, 191



0, 122, 255



249, 173, 255



255, 182, 112

Rectangle

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



97, 227, 191



0, 126, 238



249, 173, 255



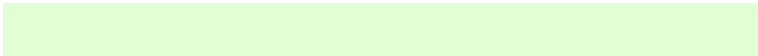
255, 139, 199

Sweetspot

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



97, 227, 191



212, 255, 243



149, 227, 97



102, 128, 121



0, 0, 0



128, 128, 128

Same Dimension

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



97, 227, 191



79, 255, 206



97, 204, 227



103, 115, 112



0, 179, 130



0, 51, 37

Inverse Universe

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



191, 97, 227



206, 79, 255



227, 97, 199



112, 103, 115



129, 0, 179



37, 0, 51

Previews

White Background



This preview shows how the RYB color 97, 227, 191 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 97, 227, 191 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 97, 227, 191 Background



This preview shows how black text looks on a background with the RYB color 97, 227, 191.

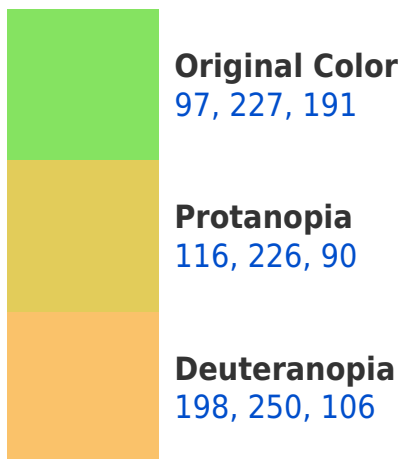


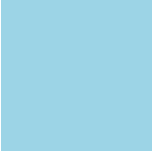
This preview shows how white text looks on a background with the RYB color 97, 227, 191.

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
156, 188, 230

Trichromacy



Original Color

97, 227, 191



Protanomaly

93, 212, 113



Deuteranomaly

104, 207, 103



Tritanomaly

148, 195, 218

Monochromacy



Original Color

97, 227, 191



Achromatopsia

184, 184, 184



Achromatomaly

152, 200, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 97, 227, 191 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(133, 227, 97)` looks like.

```
.text, #text, p{  
    color:rgb(133, 227, 97)  
}
```

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(133, 227, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 227, 97) }
```

Border

The CSS property to change the border of an element to RYB 97, 227, 191 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(133, 227, 97) }
```

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

```
.border{ border-color:rgb(133, 227, 97) }
```

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

Here you see how a box with a 4 pixel rgb(133, 227, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 227, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 227, 97);  
box-shadow:4px 4px 4px 4px rgb(133, 227,  
97) }
```

Background

The CSS property to change the background color of an element to RGB 97, 227, 191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 227, 97) }
```

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

```
.background{ background-color: rgb(133,  
227, 97) }
```

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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