

Converting Colors

`RYB(94, 222, 181)`

Have a look what the booklet for
RYB(94, 222, 181) contains.

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Color

R_YB(94, 222, 181)

Conversions

Conversions Part 1

Format	Color
Hex	87DE5E
RGB	135, 222, 94
RGB Percent	53%, 87%, 37%
CMY	0.4706, 0.1294, 0.6314
CMYK	0.39, 0.00, 0.58, 0.13
HSL	101°, 66%, 62%
HSV	101°, 58%, 87%
XYZ	38.1333, 58.2016, 19.8139
YIQ	181.3950, -10.7640, -58.2520

Conversions

Conversions Part 2

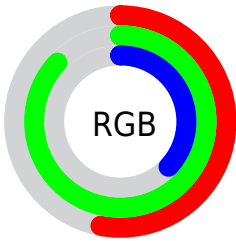
Format	Color
RYB	94, 222, 181
Decimal	8904286
CIELab	80.85, -48.69, 53.65
CIELCh	81, 72.447, 132.225
Yxy	58.2016, 0.3283, 0.5011
Android (android.graphics.Color)	4287094366 (0xFF87DE5E)
YUV	181.3950, -43.0857, -40.6884
Hunter-Lab	76.2900, -44.2847, 38.0043

Details

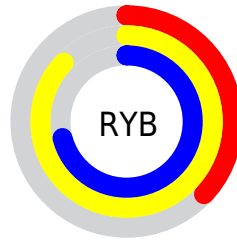
The RYB color **94, 222, 181** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **181, 94, 222**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **148, 255, 210**, and **40, 166, 128** is the 20% darker color. If you saturate the color by 10%, you get **72, 222, 174**, and if you desaturate by 10%, it is **116, 222, 188**.

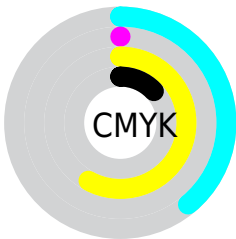
Distribution



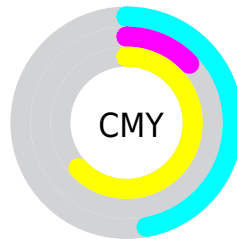
- Red (53%)
- Green (87%)
- Blue (37%)



- Red (37%)
- Yellow (87%)
- Blue (71%)



- Cyan (39%)
- Magenta (0%)
- Yellow (58%)
- Black (13%)



















- Cyan (47%)
- Magenta (13%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the RYB color 94, 222, 181 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 94, 222, 181 by changing the saturation by 10% instead.

 94, 222, 181	 94, 222, 181
 255, 255, 255	 67, 194, 154
 148, 255, 210	 40, 166, 128
 176, 255, 209	 1, 139, 93
 204, 255, 207	 0, 113, 113
 233, 255, 233	 0, 88, 88
	 0, 63, 63
	 0, 42, 42
	 0, 6, 6
	 0, 0, 0

■ 94, 222, 181

■ 94, 222, 181

■ 72, 222, 174

■ 116, 222, 188

■ 50, 222, 167

■ 138, 222, 195

■ 27, 222, 159

■ 161, 222, 203

■ 5, 222, 152

■ 183, 222, 210

■ 0, 222, 151

■ 205, 222, 217

■ 226, 222, 227

■ 241, 222, 249

■ 255, 222, 255

Harmonies

Analogous

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



58, 210, 54



94, 222, 181



0, 138, 231

Triad

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



94, 222, 181



0, 118, 255



255, 138, 176

Complementary

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



94, 222, 181



181, 94, 222

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, 145, 244



94, 222, 181



121, 170, 255

Square

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



94, 222, 181



0, 121, 255



240, 171, 255



255, 175, 113

Rectangle

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



94, 222, 181



0, 124, 233



240, 171, 255



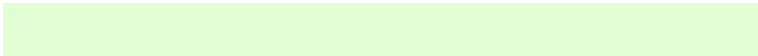
255, 137, 198

Sweetspot

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



94, 222, 181



212, 255, 241



159, 222, 94



102, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



94, 222, 181



79, 255, 199



94, 204, 222



101, 112, 108



0, 176, 120



0, 48, 32

Inverse Universe

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



181, 94, 222



199, 79, 255



222, 94, 201



109, 101, 112



120, 0, 176



33, 0, 48

Previews

White Background



This preview shows how the RYB color 94, 222, 181 looks on a white background.

Color Contrast Check

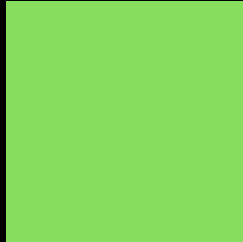
Large Text (above 18pt) WCAG AA × Fail

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 94, 222, 181 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 94, 222, 181 Background



This preview shows how black text looks on a background with the RYB color 94, 222, 181.

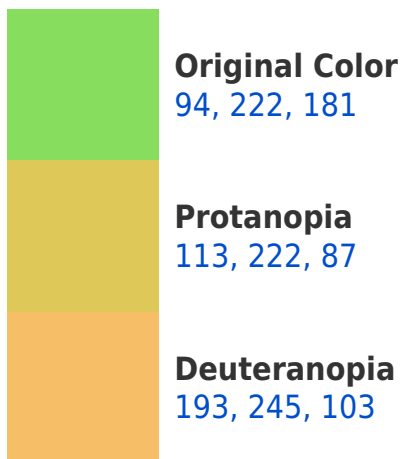


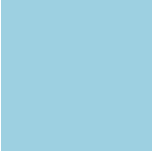
This preview shows how white text looks on a background with the RYB color 94, 222, 181.

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
157, 186, 225

Trichromacy



Original Color

94, 222, 181



Protanomaly

90, 208, 108



Deuteranomaly

103, 205, 100



Tritanomaly

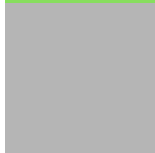
149, 194, 213

Monochromacy



Original Color

94, 222, 181



Achromatopsia

181, 181, 181



Achromatomaly

149, 196, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 94, 222, 181 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(135, 222, 94)` looks like.

```
.text, #text, p{  
    color:rgb(135, 222, 94)  
}
```

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(135, 222, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 222, 94) }
```

Border

The CSS property to change the border of an element to RYB 94, 222, 181 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(135, 222, 94) }
```

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

```
.border{ border-color:rgb(135, 222, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 222, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 222, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 222, 94);  
box-shadow:4px 4px 4px 4px rgb(135, 222,  
94) }
```

Background

The CSS property to change the background color of an element to RYB 94, 222, 181 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 222, 94) }
```

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

```
.background{ background-color: rgb(135,  
222, 94) }
```

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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