

Converting Colors

`RYB(97, 212, 156)`

Have a look what the booklet for
RYB(97, 212, 156) contains.

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Color

RYB(97, 212, 156)

Conversions

Conversions Part 1

Format	Color
Hex	99D461
RGB	153, 212, 97
RGB Percent	60%, 83%, 38%
CMY	0.4000, 0.1686, 0.6196
CMYK	0.28, 0.00, 0.54, 0.17
HSL	91°, 57%, 61%
HSV	91°, 54%, 83%
XYZ	38.8380, 54.7223, 19.8248
YIQ	181.2490, 1.7510, -48.2730

Conversions

Conversions Part 2

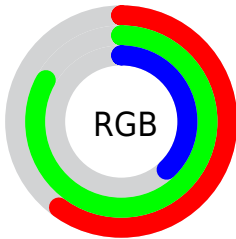
Format	Color
RYB	97, 212, 156
Decimal	10081377
CIELab	78.88, -37.94, 50.23
CIELCh	79, 62.949, 127.063
Yxy	54.7223, 0.3425, 0.4826
Android (android.graphics.Color)	4288271457 (0xFF99D461)
YUV	181.2490, -41.5348, -24.7744
Hunter-Lab	73.9745, -35.7396, 35.8928

Details

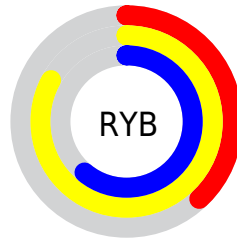
The RYB color **97, 212, 156** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **156, 97, 212**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **150, 255, 195**, and **44, 157, 103** is the 20% darker color. If you saturate the color by 10%, you get **76, 212, 146**, and if you desaturate by 10%, it is **118, 212, 166**.

Distribution



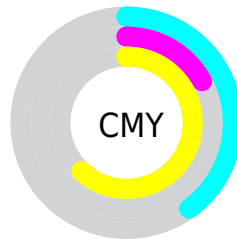
- Red (60%)
- Green (83%)
- Blue (38%)



- Red (38%)
- Yellow (83%)
- Blue (61%)



- Cyan (28%)
- Magenta (0%)
- Yellow (54%)
- Black (17%)



- Cyan (40%)
- Magenta (17%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 97, 212, 156 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, 212, 156 by changing the saturation by 10% instead.

 97, 212, 156

255, 255, 255


 150, 255, 195


 178, 255, 194


 206, 255, 206


 235, 255, 235


 97, 212, 156

 71, 184, 130

 44, 157, 103

 13, 131, 73

 0, 105, 62

 0, 80, 68

 0, 57, 57

 0, 37, 37

 0, 0, 0

 97, 212, 156

 97, 212, 156

 76, 212, 146

 118, 212, 166

 55, 212, 136

 139, 212, 176

 33, 212, 125

 161, 212, 187

 12, 212, 115

 182, 212, 197


 0, 212, 109

 203, 212, 208

 218, 212, 224

 229, 212, 245

 240, 212, 255

 251, 212, 255

Harmonies

Analogous

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



93, 215, 72



97, 212, 156



58, 163, 221

Triad

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



97, 212, 156



0, 116, 255



255, 143, 184

Complementary

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



97, 212, 156



156, 97, 212

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, 152, 242



97, 212, 156



111, 165, 255

Square

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



97, 212, 156



0, 119, 255



217, 174, 255



255, 161, 128

Rectangle

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



97, 212, 156



0, 122, 224



217, 174, 255



255, 144, 204

Sweetspot

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



97, 212, 156



214, 255, 235



210, 212, 97



103, 128, 116



0, 0, 0



128, 128, 128

Same Dimension

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



97, 212, 156



89, 255, 174



97, 212, 212



96, 107, 101



0, 171, 88



0, 43, 22

Inverse Universe

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



156, 97, 212



174, 89, 255



212, 97, 212



102, 96, 107



88, 0, 171



22, 0, 43

Previews

White Background



This preview shows how the RYB color 97, 212, 156 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, 212, 156 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, 212, 156 Background



This preview shows how black text looks on a background with the RYB color 97, 212, 156.

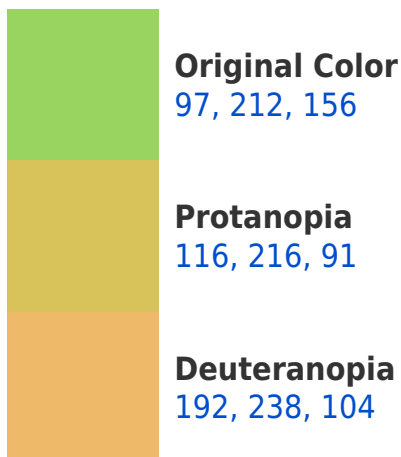


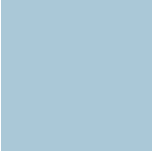
This preview shows how white text looks on a background with the RYB color 97, 212, 156.

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
170, 188, 215

Trichromacy



Original Color

97, 212, 156

Protanomaly

93, 201, 101

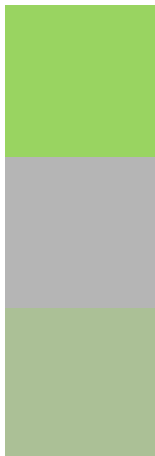
Deuteranomaly

115, 207, 101

Tritanomaly

164, 197, 204

Monochromacy



Original Color

97, 212, 156

Achromatopsia

181, 181, 181

Achromatomaly

150, 192, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 97, 212, 156 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(153, 212, 97)` looks like.

```
.text, #text, p{  
    color:rgb(153, 212, 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(153, 212, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 212, 97) }
```

Border

The CSS property to change the border of an element to RYB 97, 212, 156 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(153, 212, 97) }
```

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

```
.border{ border-color:rgb(153, 212, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 212, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 212, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 212, 97);  
box-shadow:4px 4px 4px 4px rgb(153, 212,  
97) }
```

Background

The CSS property to change the background color of an element to RYB 97, 212, 156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 212, 97) }
```

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

```
.background{ background-color: rgb(153,  
212, 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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