

Converting Colors

`RYB(156, 255, 156)`

Have a look what the booklet for
RYB(156, 255, 156) contains.

RYB(156, 255, 156)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(156, 255, 156)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF9C
RGB	255, 255, 156
RGB Percent	100%, 100%, 61%
CMY	0.0000, 0.0000, 0.3882
CMYK	0.00, 0.00, 0.39, 0.00
HSL	60°, 100%, 81%
HSV	60°, 39%, 100%
XYZ	83.0008, 95.1803, 45.4495
YIQ	243.7140, 31.7790, -30.7890

Conversions

Conversions Part 2

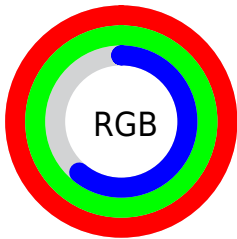
Format	Color
R_{YB}	156, 255, 156
Decimal	16777116
CIE Lab	98.11, -13.92, 47.26
CIE LCh	98, 49.271, 106.409
Yxy	95.1803, 0.3712, 0.4256
Android (android.graphics.Color)	4294967196 (0xFFFFFFFF9C)
YUV	243.7140, -43.2430, 9.8978
Hunter-Lab	97.5604, -18.8695, 40.6714

Details

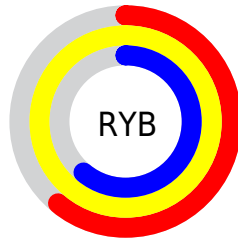
The RYB color **156, 255, 156** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **156, 156, 255**, and the grayscale version is **244, 244, 244**.

A 20% lighter version of the original color is **212, 255, 212**, and **103, 198, 104** is the 20% darker color. If you saturate the color by 10%, you get **131, 255, 131**, and if you desaturate by 10%, it is **182, 255, 182**.

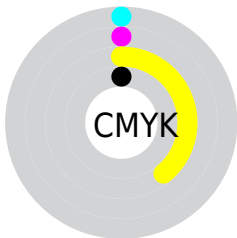
Distribution



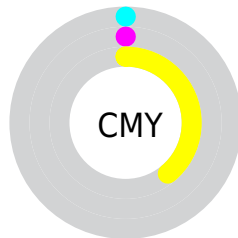
- Red (100%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (61%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 156, 255, 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 156, 255, 156 by changing the saturation by 10% instead.

 156, 255, 156

255, 255, 255

 212, 255, 212


 240, 255, 240

 156, 255, 156

 129, 226, 129

 103, 198, 104

 77, 171, 79

 52, 145, 56

 25, 119, 30

 0, 95, 7

 0, 71, 8

 0, 49, 11

 0, 28, 19

■ 156, 255, 156

■ 156, 255, 156

■ 131, 255, 131

■ 182, 255, 182

■ 105, 255, 105

■ 207, 255, 207

■ 80, 255, 80

■ 233, 255, 233

■ 54, 255, 54

255, 255, 255

■ 29, 255, 29

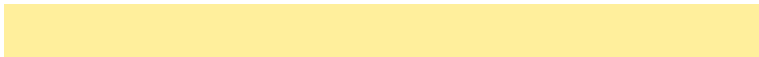
■ 3, 255, 3

■ 0, 255, 0

Harmonies

Analogous

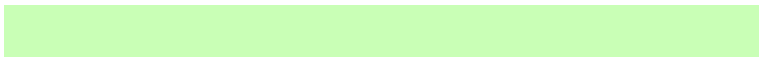
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



175, 255, 156



156, 255, 156



182, 255, 236

Triad

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



156, 255, 156



63, 159, 255



255, 215, 255

Complementary

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



156, 255, 156



156, 156, 255

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, 228, 255



156, 255, 156



143, 199, 255

Square

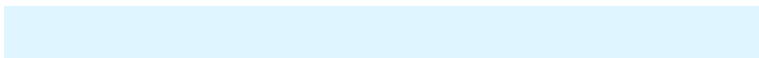
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



156, 255, 156



74, 165, 255



223, 236, 255



255, 213, 225

Rectangle

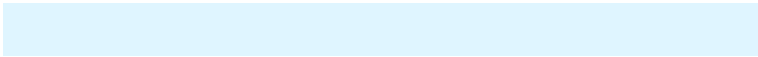
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



156, 255, 156



161, 223, 255



223, 236, 255



255, 218, 255

Sweetspot

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



156, 255, 156



224, 255, 224



255, 156, 156



110, 128, 110



0, 0, 0



128, 128, 128

Same Dimension

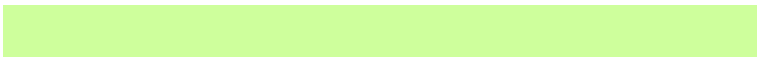
The Same Dimension uses a secret algorithm to generate beautiful new colors.



156, 255, 156



135, 255, 135



156, 255, 205



115, 128, 115



0, 191, 0



0, 64, 0

Inverse Universe

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



156, 156, 255



135, 135, 255



206, 156, 255



115, 115, 128



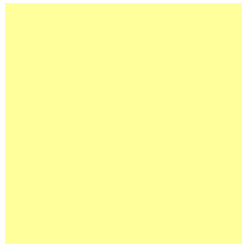
0, 0, 191



0, 0, 64

Previews

White Background



This preview shows how the RYB color 156, 255, 156 looks on a white background.

Color Contrast Check

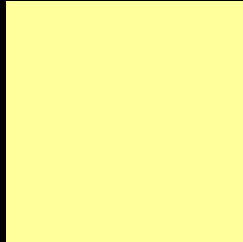
Large Text (above 18pt) WCAG AA × Fail

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 156, 255, 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 156, 255, 156 Background



This preview shows how black text looks on a background with the RYB color 156, 255, 156.

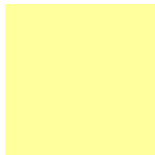


This preview shows how white text looks on a background with the RYB color 156, 255, 156.

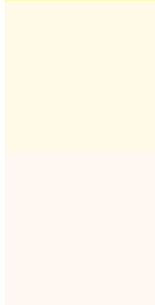
Color Blindness Simulation

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



Original Color
156, 255, 156



Protanopia
239, 255, 231

Deuteranopia
255, 253, 242



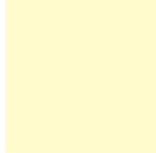
Tritanopia

255, 247, 253

Trichromacy



Original Color
156, 255, 156



Protanomaly
208, 255, 204

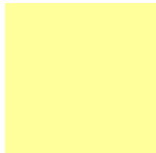


Deuteranomaly
215, 255, 211

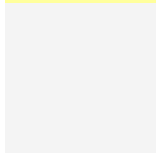


Tritanomaly
224, 255, 218

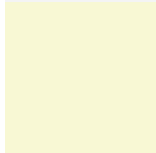
Monochromacy



Original Color
156, 255, 156



Achromatopsia
244, 244, 244



Achromatomaly
212, 248, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 156, 255, 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(255, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 156)  
}
```

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(255, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 156) }
```

Border

The CSS property to change the border of an element to RYB 156, 255, 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(255, 255, 156) }
```

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

```
.border{ border-color:rgb(255, 255, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
156) }
```

Background

The CSS property to change the background color of an element to RYB 156, 255, 156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 156) }
```

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

```
.background{ background-color: rgb(255,  
255, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor