

Converting Colors

`RYB(97, 255, 166)`

Have a look what the booklet for
RYB(97, 255, 166) contains.

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Color

R_YB(97, 255, 166)

Conversions

Conversions Part 1

Format	Color
Hex	BAFF61
RGB	186, 255, 97
RGB Percent	73%, 100%, 38%
CMY	0.2706, 0.0000, 0.6196
CMYK	0.27, 0.00, 0.62, 0.00
HSL	86°, 100%, 69%
HSV	86°, 62%, 100%
XYZ	58.1674, 82.8222, 24.2298
YIQ	216.3570, 9.5940, -63.7660

Conversions

Conversions Part 2

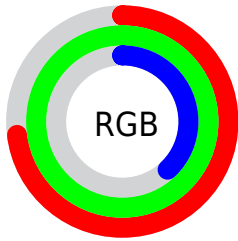
Format	Color
R _Y B	97, 255, 166
Decimal	12255073
CIE Lab	92.94, -45.05, 66.62
CIE LCh	93, 80.425, 124.065
Yxy	82.8222, 0.3521, 0.5013
Android (android.graphics.Color)	4290445153 (0xFFBAFF61)
YUV	216.3570, -58.8430, -26.6231
Hunter-Lab	91.0067, -45.1726, 47.9192

Details

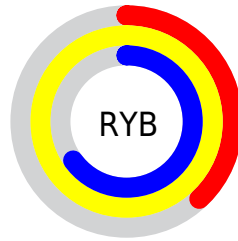
The RYB color **97, 255, 166** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **166, 97, 255**, and the grayscale version is **217, 217, 217**.

A 20% lighter version of the original color is **153, 255, 163**, and **37, 198, 107** is the 20% darker color. If you saturate the color by 10%, you get **71, 255, 151**, and if you desaturate by 10%, it is **122, 255, 180**.

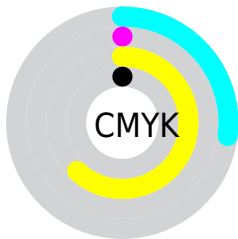
Distribution



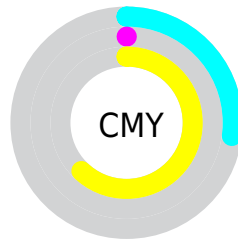
- Red (73%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (65%)



- Cyan (27%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 97, 255, 166 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, 255, 166 by changing the saturation by 10% instead.

 97, 255, 166

255, 255, 255


 153, 255, 163


 182, 255, 182


 210, 255, 210


 240, 255, 240


 97, 255, 166

 68, 226, 137

 37, 198, 107

 0, 170, 70


 0, 143, 72

 0, 117, 78

 0, 92, 92

 0, 68, 68

 0, 45, 45

 0, 18, 18

■ 97, 255, 166

■ 97, 255, 166

■ 71, 255, 151

■ 122, 255, 180

■ 46, 255, 137

■ 148, 255, 195

■ 20, 255, 122

■ 174, 255, 210

■ 0, 255, 111

■ 199, 255, 223

■ 225, 255, 238

■ 250, 255, 252

255, 255, 255

Harmonies

Analogous

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



89, 255, 65



97, 255, 166



48, 181, 255

Triad

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



97, 255, 166



0, 128, 255



255, 162, 227

Complementary

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



97, 255, 166



166, 97, 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, 178, 255



97, 255, 166



72, 160, 255

Square

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



97, 255, 166



0, 128, 255



251, 210, 255



255, 183, 152

Rectangle

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



97, 255, 166



0, 138, 255



251, 210, 255



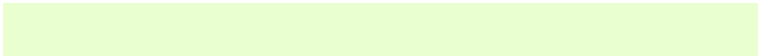
255, 164, 254

Sweetspot

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



97, 255, 166



207, 255, 228



255, 216, 97



98, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



97, 255, 166



66, 255, 148



97, 255, 244



115, 128, 121



0, 191, 83



0, 64, 28

Inverse Universe

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



166, 97, 255



149, 66, 255



244, 97, 255



120, 115, 128



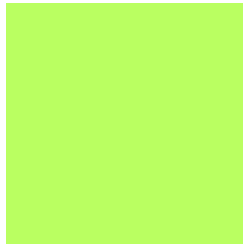
84, 0, 191



28, 0, 64

Previews

White Background



This preview shows how the RYB color 97, 255, 166 looks on a white background.

Color Contrast Check

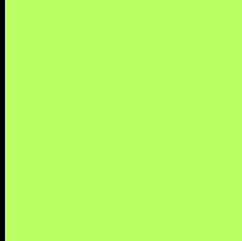
Large Text (above 18pt) WCAG AA × Fail

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, 255, 166 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, 255, 166 Background



This preview shows how black text looks on a background with the RYB color 97, 255, 166.

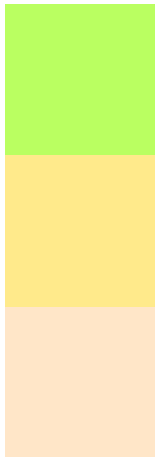


This preview shows how white text looks on a background with the RYB color 97, 255, 166.

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
97, 255, 166

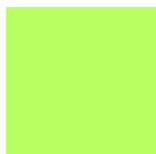
Protanopia
165, 255, 139

Deuteranopia
246, 255, 200



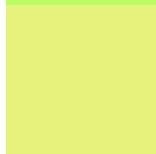
Tritanopia
211, 228, 255

Trichromacy



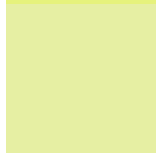
Original Color

97, 255, 166



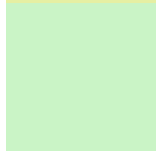
Protanomaly

124, 242, 136



Deuteranomaly

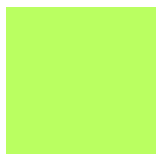
163, 239, 172



Tritanomaly

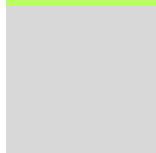
198, 244, 240

Monochromacy



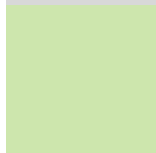
Original Color

97, 255, 166



Achromatopsia

216, 216, 216



Achromatomaly

173, 230, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 97, 255, 166 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(186, 255, 97)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 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(186, 255, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 97) }
```

Border

The CSS property to change the border of an element to RYB 97, 255, 166 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(186, 255, 97) }
```

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

```
.border{ border-color:rgb(186, 255, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 255, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 97);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
97) }
```

Background

The CSS property to change the background color of an element to RYB 97, 255, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 97) }
```

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

```
.background{ background-color: rgb(186,  
255, 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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