

Converting Colors

`RYB(166, 255, 197)`

Have a look what the booklet for
RYB(166, 255, 197) contains.

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Color

R_YB(166, 255, 197)

Conversions

Conversions Part 1

Format	Color
Hex	E0FFA6
RGB	224, 255, 166
RGB Percent	88%, 100%, 65%
CMY	0.1216, 0.0000, 0.3490
CMYK	0.12, 0.00, 0.35, 0.00
HSL	81°, 100%, 83%
HSV	81°, 35%, 100%
XYZ	73.3834, 90.1205, 49.6037
YIQ	235.5850, 10.0930, -34.2510

Conversions

Conversions Part 2

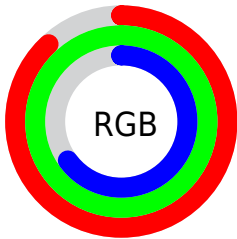
Format	Color
RYB	166, 255, 197
Decimal	14745510
CIELab	96.05, -24.27, 39.29
CIELCh	96, 46.182, 121.698
Yxy	90.1205, 0.3443, 0.4229
Android (android.graphics.Color)	4292935590 (0xFFE0FFA6)
YUV	235.5850, -34.3054, -10.1600
Hunter-Lab	94.9318, -28.1480, 35.4721

Details

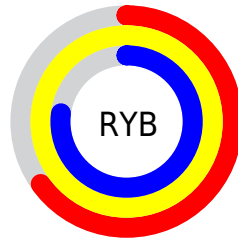
The RYB color **166, 255, 197** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **197, 166, 255**, and the grayscale version is **236, 236, 236**.

A 20% lighter version of the original color is **222, 255, 222**, and **113, 198, 143** is the 20% darker color. If you saturate the color by 10%, you get **141, 255, 181**, and if you desaturate by 10%, it is **192, 255, 214**.

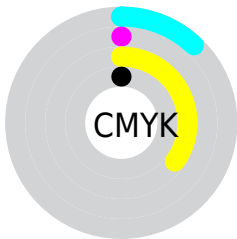
Distribution



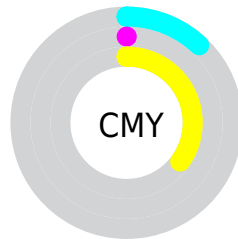
- Red (88%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (77%)



- Cyan (12%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 166, 255, 197 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 166, 255, 197 by changing the saturation by 10% instead.

 166, 255, 197

255, 255, 255


 222, 255, 222

 251, 255, 251

 166, 255, 197


 139, 226, 169

 113, 198, 143

 87, 171, 118

 63, 144, 93

 38, 119, 69

 11, 94, 42

 0, 70, 31

 0, 47, 34

 0, 29, 29

■ 166, 255, 197

■ 166, 255, 197

■ 141, 255, 181

■ 192, 255, 214

■ 115, 255, 164

■ 217, 255, 230

■ 90, 255, 148

■ 243, 255, 247

■ 64, 255, 131

255, 255, 255

■ 38, 255, 113

■ 13, 255, 97

■ 0, 255, 89

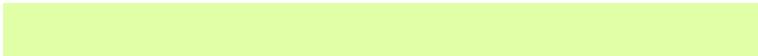
Harmonies

Analogous

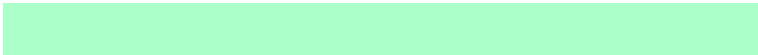
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



168, 255, 153



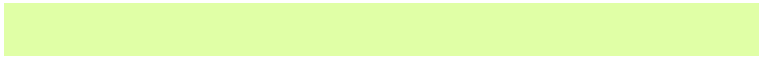
166, 255, 197



171, 233, 255

Triad

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



166, 255, 197



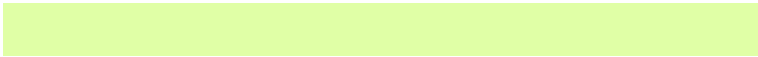
112, 184, 255



255, 209, 243

Complementary

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



166, 255, 197



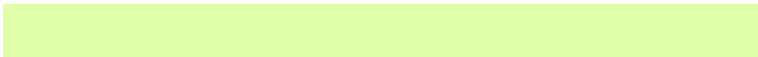
197, 166, 255

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, 216, 255



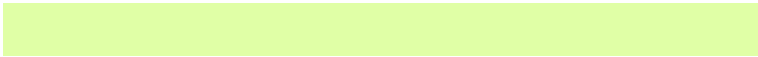
166, 255, 197



185, 218, 255

Square

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



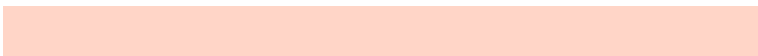
166, 255, 197



74, 165, 255



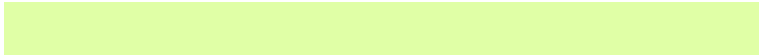
252, 231, 255



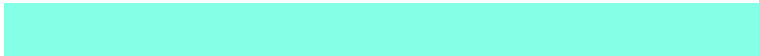
255, 218, 199

Rectangle

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



166, 255, 197



133, 201, 255



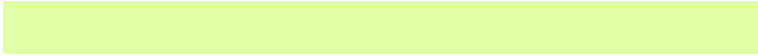
252, 231, 255



255, 210, 255

Sweetspot

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



166, 255, 197



230, 255, 239



255, 211, 166



112, 128, 118



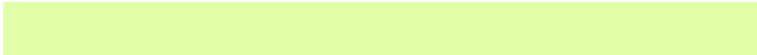
0, 0, 0



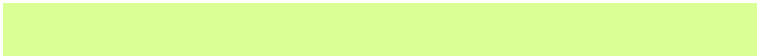
128, 128, 128

Same Dimension

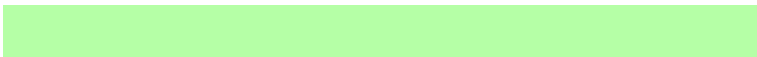
The Same Dimension uses a secret algorithm to generate beautiful new colors.



166, 255, 197



148, 255, 185



166, 255, 240



115, 128, 120



0, 191, 66



0, 64, 22

Inverse Universe

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



197, 166, 255



185, 148, 255



240, 166, 255



119, 115, 128



67, 0, 191



22, 0, 64

Previews

White Background



This preview shows how the RYB color 166, 255, 197 looks on a white background.

Color Contrast Check

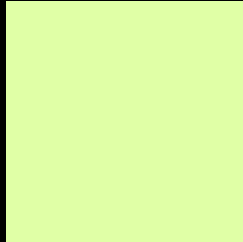
Large Text (above 18pt) WCAG AA × Fail

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 166, 255, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

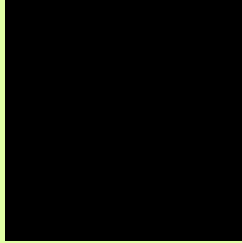
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

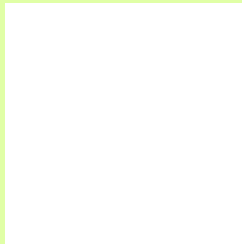
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 166, 255, 197 Background



This preview shows how black text looks on a background with the RYB color 166, 255, 197.

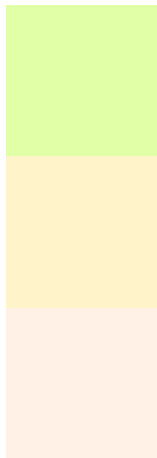


This preview shows how white text looks on a background with the RYB color 166, 255, 197.

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
166, 255, 197

Protanopia
218, 255, 202

Deuteranopia
255, 251, 229



Tritanopia

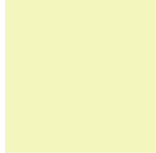
240, 243, 255

Trichromacy



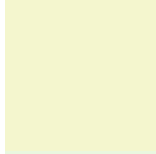
Original Color

166, 255, 197



Protanomaly

189, 247, 192



Deuteranomaly

206, 246, 208



Tritanomaly

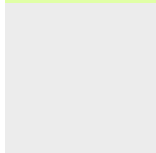
223, 247, 236

Monochromacy



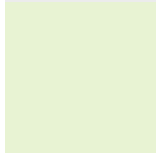
Original Color

166, 255, 197



Achromatopsia

236, 236, 236



Achromatomaly

211, 243, 222

CSS Examples

Text

The CSS property to change the color of the text to RGB 166, 255, 197 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(224, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 166)  
}
```

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(224, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 166) }
```

Border

The CSS property to change the border of an element to RYB 166, 255, 197 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(224, 255, 166) }
```

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

```
.border{ border-color:rgb(224, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
166) }
```

Background

The CSS property to change the background color of an element to RYB 166, 255, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 166) }
```

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

```
.background{ background-color: rgb(224,  
255, 166) }
```

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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