

Converting Colors

`RYB(107, 254, 195)`

Have a look what the booklet for
RYB(107, 254, 195) contains.

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Color

R_YB(107, 254, 195)

Conversions

Conversions Part 1

Format	Color
Hex	A6FE6B
RGB	166, 254, 107
RGB Percent	65%, 100%, 42%
CMY	0.3490, 0.0039, 0.5804
CMYK	0.35, 0.00, 0.58, 0.00
HSL	96°, 99%, 71%
HSV	96°, 58%, 100%
XYZ	53.8215, 80.0521, 26.5248
YIQ	210.9300, -5.2610, -64.3730

Conversions

Conversions Part 2

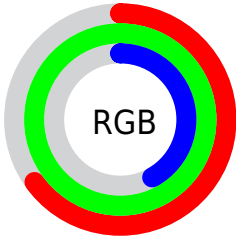
Format	Color
RYB	107, 254, 195
Decimal	10944107
CIELab	91.71, -50.60, 60.79
CIElCh	92, 79.098, 129.771
Yxy	80.0521, 0.3355, 0.4991
Android (android.graphics.Color)	4289134187 (0xFFA6FE6B)
YUV	210.9300, -51.2375, -39.4036
Hunter-Lab	89.4719, -49.1996, 45.0532

Details

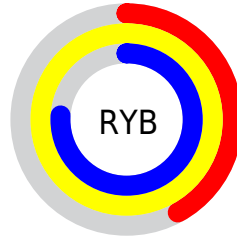
The RYB color **107, 254, 195** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **195, 107, 254**, and the grayscale version is **211, 211, 211**.

A 20% lighter version of the original color is **162, 255, 192**, and **51, 197, 140** is the 20% darker color. If you saturate the color by 10%, you get **82, 254, 185**, and if you desaturate by 10%, it is **132, 254, 205**.

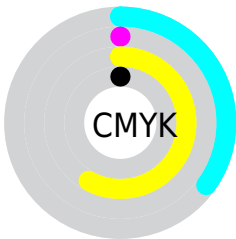
Distribution



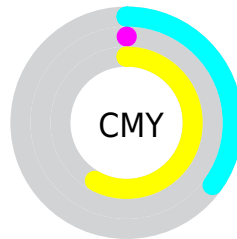
- Red (65%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (76%)



- Cyan (35%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)



- Cyan (35%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 107, 254, 195 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 107, 254, 195 by changing the saturation by 10% instead.

 107, 254, 195

255, 255, 255

 162, 255, 192


 191, 255, 191


 220, 255, 220


 249, 255, 249


 107, 254, 195


 79, 225, 167

 51, 197, 140

 15, 169, 105


 0, 142, 95

 0, 116, 116

 0, 90, 90

 0, 66, 66

 0, 44, 44

 0, 12, 12

■ 107, 254, 195

■ 107, 254, 195

■ 82, 254, 185

■ 132, 254, 205

■ 56, 254, 174

■ 158, 254, 216

■ 31, 254, 165

■ 183, 254, 225

■ 5, 254, 154

■ 209, 254, 236

■ 0, 254, 152

■ 234, 254, 246

255, 254, 255

Harmonies

Analogous

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



81, 248, 67



107, 254, 195



0, 151, 255

Triad

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



107, 254, 195



0, 127, 255



255, 161, 209

Complementary

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



107, 254, 195



195, 107, 254

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, 171, 255



107, 254, 195



127, 184, 255

Square

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



107, 254, 195



0, 128, 255



255, 200, 255



255, 201, 138

Rectangle

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



107, 254, 195



0, 135, 255



255, 200, 255



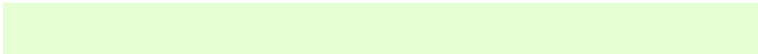
255, 161, 235

Sweetspot

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



107, 254, 195



212, 255, 238



211, 254, 107



102, 128, 118



0, 0, 0



128, 128, 128

Same Dimension

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



107, 254, 195



79, 255, 184



107, 243, 254



115, 128, 123



0, 191, 114



0, 64, 38

Inverse Universe

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



195, 107, 254



184, 79, 255



254, 107, 242



122, 115, 128



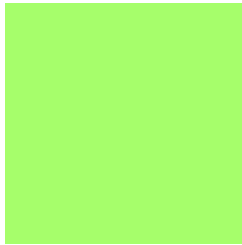
114, 0, 191



38, 0, 64

Previews

White Background



This preview shows how the RYB color 107, 254, 195 looks on a white background.

Color Contrast Check

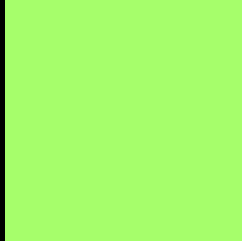
Large Text (above 18pt) WCAG AA × Fail

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 107, 254, 195 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

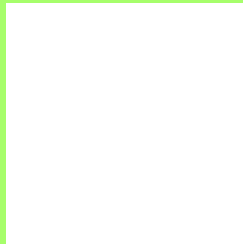
Any Text WCAG AAA ✓ Pass

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

RYB 107, 254, 195 Background



This preview shows how black text looks on a background with the RYB color 107, 254, 195.

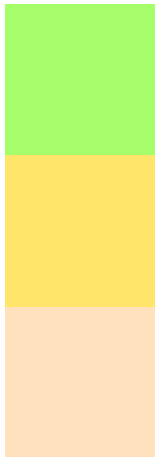


This preview shows how white text looks on a background with the RYB color 107, 254, 195.

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
107, 254, 195

Protanopia
136, 255, 106

Deuteranopia
246, 255, 190



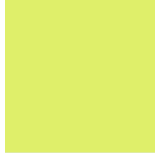
Tritanopia
194, 220, 255

Trichromacy



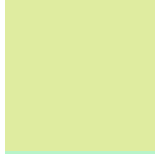
Original Color

107, 254, 195



Protanomaly

106, 239, 122



Deuteranomaly

160, 236, 173



Tritanomaly

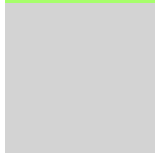
184, 231, 244

Monochromacy



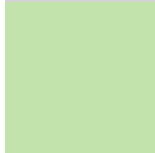
Original Color

107, 254, 195



Achromatopsia

211, 211, 211



Achromatomaly

173, 227, 205

CSS Examples

Text

The CSS property to change the color of the text to RGB 107, 254, 195 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(166, 254, 107)` looks like.

```
.text, #text, p{  
    color:rgb(166, 254, 107)  
}
```

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(166, 254, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 254, 107) }
```

Border

The CSS property to change the border of an element to RYB 107, 254, 195 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(166, 254, 107) }
```

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

```
.border{ border-color:rgb(166, 254, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 254, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 254, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 254, 107);  
box-shadow:4px 4px 4px 4px rgb(166, 254,  
107) }
```

Background

The CSS property to change the background color of an element to RYB 107, 254, 195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 254, 107) }
```

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

```
.background{ background-color: rgb(166,  
254, 107) }
```

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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