

Converting Colors

`RYB(111, 255, 164)`

Have a look what the booklet for
RYB(111, 255, 164) contains.

RYB(111, 255, 164)	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(111, 255, 164)

Conversions

Conversions Part 1

Format	Color
Hex	CAFF6F
RGB	202, 255, 111
RGB Percent	79%, 100%, 44%
CMY	0.2078, 0.0000, 0.5647
CMYK	0.21, 0.00, 0.56, 0.00
HSL	82°, 100%, 72%
HSV	82°, 56%, 100%
XYZ	62.9864, 85.2243, 28.1691
YIQ	222.7370, 14.6360, -56.0200

Conversions

Conversions Part 2

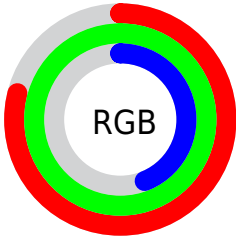
Format	Color
RYB	111, 255, 164
Decimal	13303663
CIELab	93.98, -38.13, 62.18
CIElCh	94, 72.942, 121.518
Yxy	85.2243, 0.3571, 0.4832
Android (android.graphics.Color)	4291493743 (0xFFCAFF6F)
YUV	222.7370, -55.0863, -18.1863
Hunter-Lab	92.3170, -39.7671, 46.5304

Details

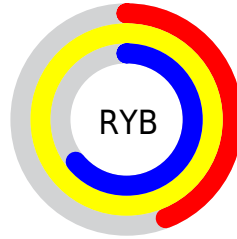
The RYB color **111, 255, 164** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **164, 111, 255**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is **167, 255, 167**, and **55, 198, 108** is the 20% darker color. If you saturate the color by 10%, you get **86, 255, 148**, and if you desaturate by 10%, it is **137, 255, 181**.

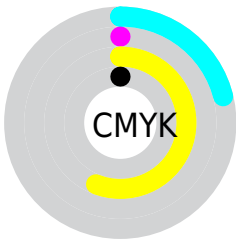
Distribution



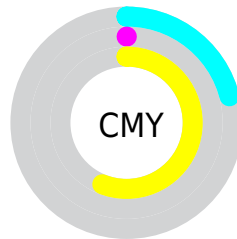
- Red (79%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (64%)



- Cyan (21%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 111, 255, 164 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 111, 255, 164 by changing the saturation by 10% instead.

 111, 255, 164

255, 255, 255

 167, 255, 167


 195, 255, 195


 224, 255, 224

253, 255, 253


 111, 255, 164


 83, 226, 136

 55, 198, 108

 22, 171, 76

 0, 144, 55

 0, 118, 57

 0, 93, 61

 0, 69, 69

 0, 46, 46

 0, 22, 22

■ 111, 255, 164

■ 111, 255, 164

■ 86, 255, 148

■ 137, 255, 181

■ 60, 255, 132

■ 162, 255, 196

■ 34, 255, 115

■ 188, 255, 213

■ 9, 255, 100

■ 213, 255, 228

■ 0, 255, 94

■ 239, 255, 245

255, 255, 255

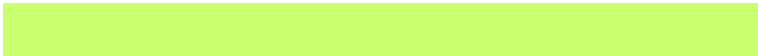
Harmonies

Analogous

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



112, 255, 89



111, 255, 164



103, 209, 255

Triad

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



111, 255, 164



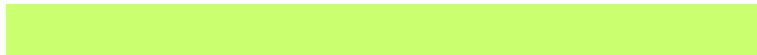
0, 128, 255



255, 175, 237

Complementary

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



111, 255, 164



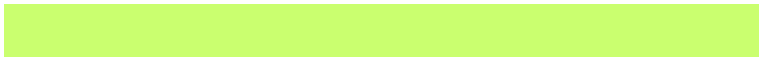
164, 111, 255

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, 190, 255



111, 255, 164



97, 173, 255

Square

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



111, 255, 164



0, 128, 255



245, 218, 255



255, 189, 168

Rectangle

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



111, 255, 164



0, 138, 255



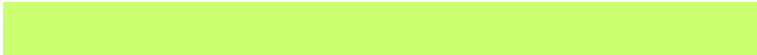
245, 218, 255



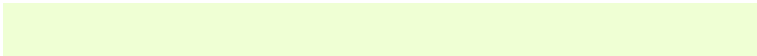
255, 178, 255

Sweetspot

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



111, 255, 164



212, 255, 228



255, 195, 111



102, 128, 112



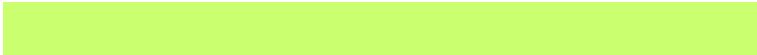
0, 0, 0



128, 128, 128

Same Dimension

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



111, 255, 164



82, 255, 146



111, 255, 236



115, 128, 120



0, 191, 70



0, 64, 24

Inverse Universe

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



164, 111, 255



145, 82, 255



236, 111, 255



119, 115, 128



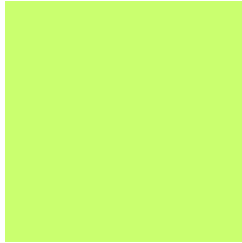
70, 0, 191



23, 0, 64

Previews

White Background



This preview shows how the RYB color 111, 255, 164 looks on a white background.

Color Contrast Check

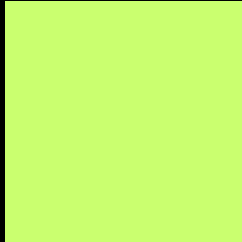
Large Text (above 18pt) WCAG AA × Fail

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 111, 255, 164 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

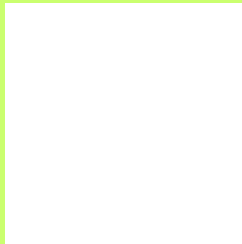
Any Text WCAG AAA ✓ Pass

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

RYB 111, 255, 164 Background



This preview shows how black text looks on a background with the RYB color 111, 255, 164.

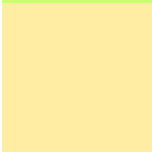
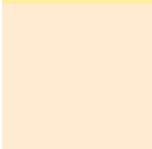


This preview shows how white text looks on a background with the RYB color 111, 255, 164.

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](#).

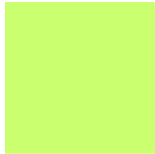
Dichromacy

	Original Color 111, 255, 164
	Protanopia 185, 255, 163
	Deuteranopia 249, 255, 210



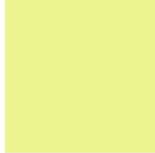
Tritanopia
224, 234, 255

Trichromacy



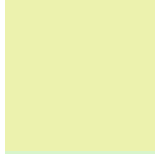
Original Color

111, 255, 164



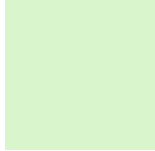
Protanomaly

144, 244, 152



Deuteranomaly

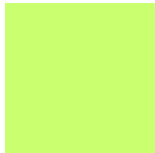
174, 242, 180



Tritanomaly

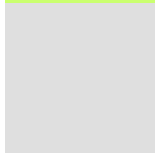
203, 245, 232

Monochromacy



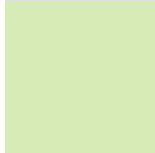
Original Color

111, 255, 164



Achromatopsia

223, 223, 223



Achromatomaly

182, 235, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 111, 255, 164 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(202, 255, 111)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 111)  
}
```

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(202, 255, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 111) }
```

Border

The CSS property to change the border of an element to RYB 111, 255, 164 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(202, 255, 111) }
```

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

```
.border{ border-color:rgb(202, 255, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 111);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
111) }
```

Background

The CSS property to change the background color of an element to RYB 111, 255, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 111) }
```

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

```
.background{ background-color: rgb(202,  
255, 111) }
```

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