

Converting Colors

`RYB(111, 255, 151)`

Have a look what the booklet for
RYB(111, 255, 151) contains.

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Color

R_YB(111, 255, 151)

Conversions

Conversions Part 1

Format	Color
Hex	D7FF6F
RGB	215, 255, 111
RGB Percent	84%, 100%, 44%
CMY	0.1569, 0.0000, 0.5647
CMYK	0.16, 0.00, 0.56, 0.00
HSL	77°, 100%, 72%
HSV	77°, 56%, 100%
XYZ	66.6536, 87.1148, 28.3407
YIQ	226.6240, 22.3840, -53.2640

Conversions

Conversions Part 2

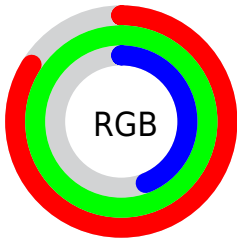
Format	Color
RYB	111, 255, 151
Decimal	14155631
CIELab	94.79, -33.31, 63.32
CIElCh	95, 71.543, 117.749
Yxy	87.1148, 0.3660, 0.4784
Android (android.graphics.Color)	4292345711 (0xFFD7FF6F)
YUV	226.6240, -57.0026, -10.1942
Hunter-Lab	93.3353, -35.8645, 47.3316

Details

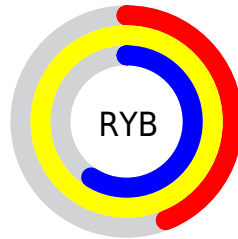
The RYB color **111, 255, 151** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **151, 111, 255**, and the grayscale version is **227, 227, 227**.

A 20% lighter version of the original color is **167, 255, 167**, and **55, 198, 96** is the 20% darker color. If you saturate the color by 10%, you get **86, 255, 133**, and if you desaturate by 10%, it is **137, 255, 170**.

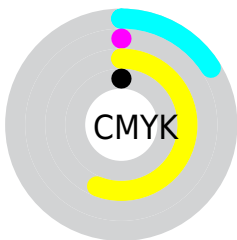
Distribution



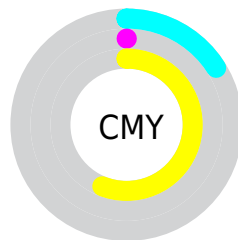
- Red (84%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (59%)



- Cyan (16%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 111, 255, 151 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, 151 by changing the saturation by 10% instead.

 111, 255, 151


255, 255, 255

 167, 255, 167

 195, 255, 195


 224, 255, 224


253, 255, 253


 111, 255, 151


 83, 226, 123

 55, 198, 96

 21, 171, 63

 0, 144, 42

 0, 118, 44

 0, 93, 46

 0, 69, 55

 0, 47, 47

 0, 25, 25

■ 111, 255, 151

■ 111, 255, 151

■ 86, 255, 133

■ 137, 255, 170

■ 60, 255, 114

■ 162, 255, 188

■ 34, 255, 95

■ 188, 255, 207

■ 9, 255, 77

■ 213, 255, 225

■ 0, 255, 71

■ 239, 255, 244

255, 255, 255

Harmonies

Analogous

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



118, 255, 95



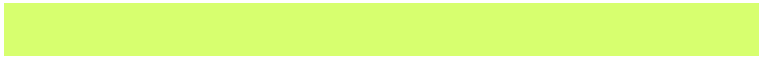
111, 255, 151



125, 226, 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, 151



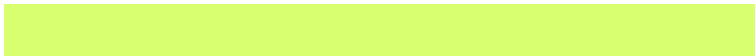
0, 128, 255



255, 180, 248

Complementary

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



111, 255, 151



151, 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, 196, 255



111, 255, 151



75, 163, 255

Square

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



111, 255, 151



0, 128, 255



235, 224, 255



255, 187, 179

Rectangle

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



111, 255, 151



0, 140, 255



235, 224, 255



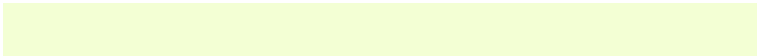
255, 183, 255

Sweetspot

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



111, 255, 151



212, 255, 224



255, 163, 111



102, 128, 110



0, 0, 0



128, 128, 128

Same Dimension

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



111, 255, 151



82, 255, 130



111, 255, 221



115, 128, 119



0, 191, 53



0, 64, 18

Inverse Universe

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



151, 111, 255



130, 82, 255



221, 111, 255



118, 115, 128



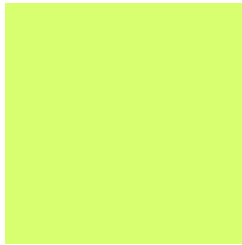
53, 0, 191



18, 0, 64

Previews

White Background



This preview shows how the RYB color 111, 255, 151 looks on a white background.

Color Contrast Check

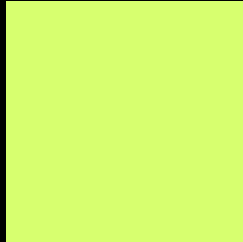
Large Text (above 18pt) WCAG AA × Fail

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, 151 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, 151 Background



This preview shows how black text looks on a background with the RYB color 111, 255, 151.

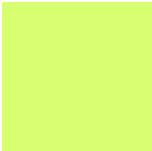
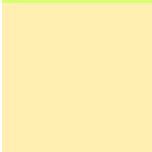
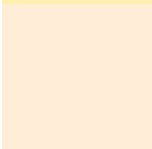


This preview shows how white text looks on a background with the RYB color 111, 255, 151.

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

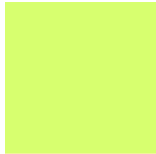
	Original Color 111, 255, 151
	Protanopia 197, 255, 178
	Deuteranopia 249, 255, 216



Tritanopia

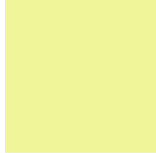
234, 239, 255

Trichromacy



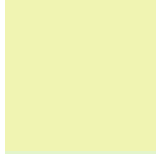
Original Color

111, 255, 151



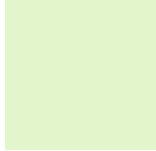
Protanomaly

154, 245, 159



Deuteranomaly

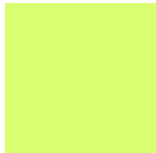
178, 244, 182



Tritanomaly

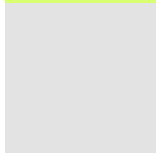
203, 245, 221

Monochromacy



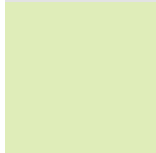
Original Color

111, 255, 151



Achromatopsia

227, 227, 227



Achromatomaly

185, 237, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 111, 255, 151 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(215, 255, 111)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 255, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 111) }
```

Border

The CSS property to change the border of an element to RYB 111, 255, 151 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(215, 255, 111) }
```

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

```
.border{ border-color:rgb(215, 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(215, 255, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 255, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 255, 111); box-shadow:4px 4px 4px 4px rgb(215, 255, 111) }
```

Background

The CSS property to change the background color of an element to RYB 111, 255, 151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 111) }
```

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

```
.background{ background-color: rgb(215,  
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](#).

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