

Converting Colors

`RYB(87, 255, 115)`

Have a look what the booklet for
RYB(87, 255, 115) contains.

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Color

RYB(87, 255, 115)

Conversions

Conversions Part 1

Format	Color
Hex	E3FF57
RGB	227, 255, 87
RGB Percent	89%, 100%, 34%
CMY	0.1098, 0.0000, 0.6588
CMYK	0.11, 0.00, 0.66, 0.00
HSL	70°, 100%, 67%
HSV	70°, 66%, 100%
XYZ	69.1589, 88.5390, 22.4615
YIQ	227.4760, 37.2400, -58.1840

Conversions

Conversions Part 2

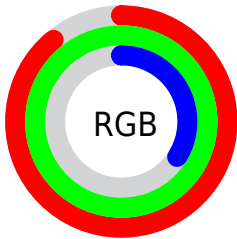
Format	Color
R_{YB}	87, 255, 115
Decimal	14942039
CIE _{Lab}	95.39, -30.40, 73.87
CIE _{LCh}	95, 79.884, 112.368
Yxy	88.5390, 0.3839, 0.4914
Android (android.graphics.Color)	4293132119 (0xFFE3FF57)
YUV	227.4760, -69.2547, -0.4175
Hunter-Lab	94.0952, -33.4711, 51.7135

Details

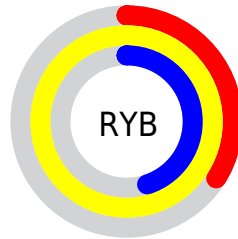
The RYB color **87, 255, 115** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **115, 87, 255**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is **144, 255, 144**, and **15, 198, 45** is the 20% darker color. If you saturate the color by 10%, you get **62, 255, 94**, and if you desaturate by 10%, it is **113, 255, 137**.

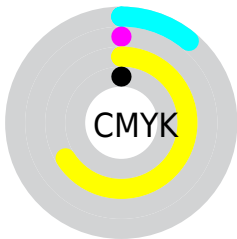
Distribution



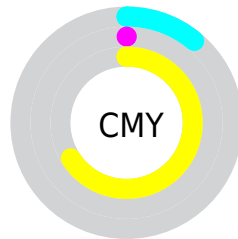
- Red (89%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (45%)



- Cyan (11%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)



















- Cyan (11%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 255, 115 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 87, 255, 115 by changing the saturation by 10% instead.

 87, 255, 115	 87, 255, 115
 255, 255, 255	 56, 226, 85
 144, 255, 144	 15, 198, 45
 173, 255, 173	 0, 171, 32
 202, 255, 202	 0, 144, 33
 232, 255, 232	 0, 119, 36
	 0, 94, 39
	 0, 70, 44
	 0, 47, 47
	 0, 27, 27

■ 87, 255, 115

■ 87, 255, 115

■ 62, 255, 94

■ 113, 255, 137

■ 36, 255, 72

■ 138, 255, 158

■ 11, 255, 52

■ 164, 255, 179

■ 0, 255, 43

■ 189, 255, 200

■ 215, 255, 222

■ 240, 255, 242

255, 255, 255

Harmonies

Analogous

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



106, 255, 78



87, 255, 115



130, 243, 255

Triad

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



87, 255, 115



0, 128, 255



255, 173, 255

Complementary

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



87, 255, 115



115, 87, 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, 197, 255



87, 255, 115



0, 128, 255

Square

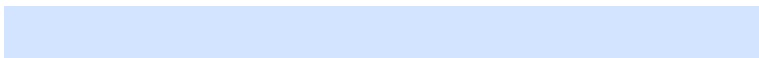
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87, 255, 115



0, 128, 255



210, 223, 255



255, 176, 187

Rectangle

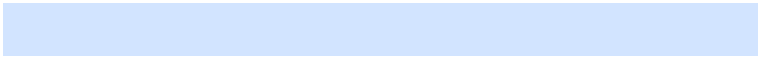
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 255, 115



0, 145, 255



210, 223, 255



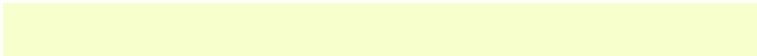
255, 179, 255

Sweetspot

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



87, 255, 115



204, 255, 212



255, 121, 87



97, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



87, 255, 115



54, 255, 88



87, 255, 199



115, 128, 118



0, 191, 32



0, 64, 11

Inverse Universe

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



115, 87, 255



87, 54, 255



199, 87, 255



117, 115, 128



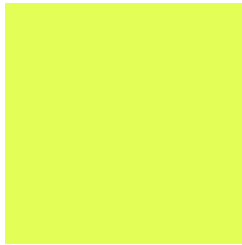
32, 0, 191



11, 0, 64

Previews

White Background



This preview shows how the RYB color 87, 255, 115 looks on a white background.

Color Contrast Check

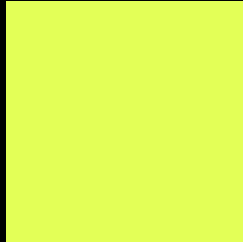
Large Text (above 18pt) WCAG AA × Fail

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 87, 255, 115 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 87, 255, 115 Background



This preview shows how black text looks on a background with the RYB color 87, 255, 115.

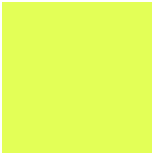
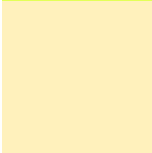
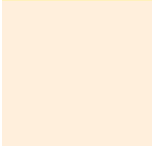


This preview shows how white text looks on a background with the RYB color 87, 255, 115.

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 87, 255, 115
	Protanopia 206, 255, 188
	Deuteranopia 249, 255, 220



Tritanopia

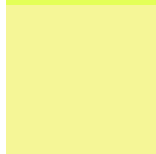
244, 239, 255

Trichromacy



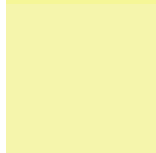
Original Color

87, 255, 115



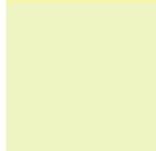
Protanomaly

151, 246, 152



Deuteranomaly

172, 245, 172



Tritanomaly

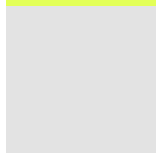
194, 245, 201

Monochromacy



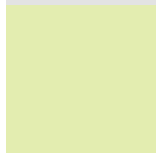
Original Color

87, 255, 115



Achromatopsia

227, 227, 227



Achromatomaly

176, 237, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 255, 115 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(227, 255, 87)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 87)  
}
```

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(227, 255, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 87) }
```

Border

The CSS property to change the border of an element to RYB 87, 255, 115 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(227, 255, 87) }
```

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

```
.border{ border-color:rgb(227, 255, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 255, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
87) }
```

Background

The CSS property to change the background color of an element to RGB 87, 255, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 87) }
```

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

```
.background{ background-color: rgb(227,  
255, 87) }
```

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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