

Converting Colors

`RYB(102, 255, 130)`

Have a look what the booklet for
RYB(102, 255, 130) contains.

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Color

R_YB(102, 255, 130)

Conversions

Conversions Part 1

Format	Color
Hex	E3FF66
RGB	227, 255, 102
RGB Percent	89%, 100%, 40%
CMY	0.1098, 0.0000, 0.6000
CMYK	0.11, 0.00, 0.60, 0.00
HSL	71°, 100%, 70%
HSV	71°, 60%, 100%
XYZ	69.8368, 88.8102, 26.0317
YIQ	229.1860, 32.4250, -53.5190

Conversions

Conversions Part 2

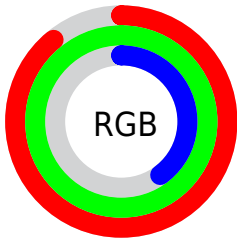
Format	Color
RYB	102, 255, 130
Decimal	14942054
CIELab	95.50, -29.43, 68.11
CIELCh	96, 74.197, 113.365
Yxy	88.8102, 0.3782, 0.4809
Android (android.graphics.Color)	4293132134 (0xFFE3FF66)
YUV	229.1860, -62.7027, -1.9171
Hunter-Lab	94.2392, -32.6394, 49.5898

Details

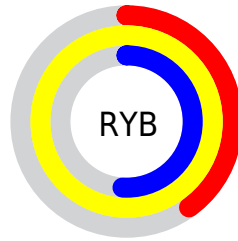
The RYB color **102, 255, 130** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **130, 102, 255**, and the grayscale version is **230, 230, 230**.

A 20% lighter version of the original color is **158, 255, 158**, and **43, 198, 72** is the 20% darker color. If you saturate the color by 10%, you get **77, 255, 110**, and if you desaturate by 10%, it is **128, 255, 151**.

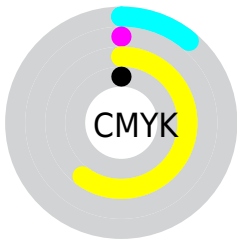
Distribution



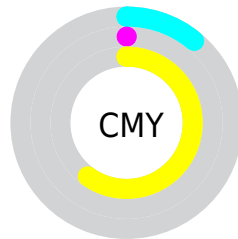
- Red (89%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (51%)



- Cyan (11%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 255, 130 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 102, 255, 130 by changing the saturation by 10% instead.

 102, 255, 130

255, 255, 255

 158, 255, 158

 187, 255, 187


 216, 255, 216


 245, 255, 245


 102, 255, 130

 74, 226, 102

 43, 198, 72

 0, 171, 31

 0, 144, 32

 0, 119, 34

 0, 94, 37

 0, 70, 42

 0, 47, 47

 0, 28, 28

■ 102, 255, 130

■ 102, 255, 130

■ 77, 255, 110

■ 128, 255, 151

■ 51, 255, 88

■ 153, 255, 172

■ 25, 255, 67

■ 179, 255, 193

■ 0, 255, 47

■ 204, 255, 213

■ 230, 255, 235

255, 255, 255

Harmonies

Analogous

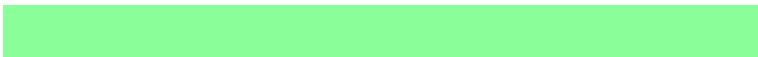
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



117, 255, 92



102, 255, 130



138, 242, 255

Triad

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



102, 255, 130



0, 128, 255



255, 180, 255

Complementary

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



102, 255, 130



130, 102, 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, 200, 255



102, 255, 130



0, 128, 255

Square

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



102, 255, 130



0, 128, 255



219, 227, 255



255, 183, 189

Rectangle

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



102, 255, 130



0, 144, 255



219, 227, 255



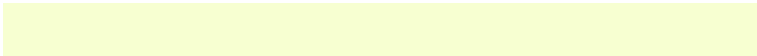
255, 185, 255

Sweetspot

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



102, 255, 130



209, 255, 217



255, 133, 102



99, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



102, 255, 130



71, 255, 105



102, 255, 204



115, 128, 118



0, 191, 35



0, 64, 12

Inverse Universe

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



130, 102, 255



105, 71, 255



204, 102, 255



117, 115, 128



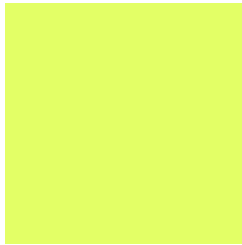
35, 0, 191



12, 0, 64

Previews

White Background



This preview shows how the RYB color 102, 255, 130 looks on a white background.

Color Contrast Check

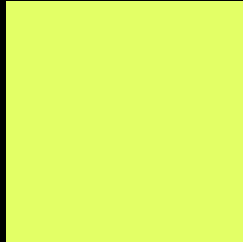
Large Text (above 18pt) WCAG AA × Fail

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 102, 255, 130 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 102, 255, 130 Background



This preview shows how black text looks on a background with the RYB color 102, 255, 130.

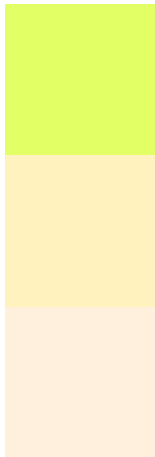


This preview shows how white text looks on a background with the RYB color 102, 255, 130.

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
102, 255, 130

Protanopia
207, 255, 191

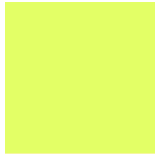
Deuteranopia
251, 255, 221



Tritanopia

244, 240, 255

Trichromacy



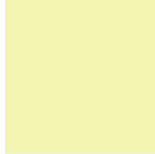
Original Color

102, 255, 130



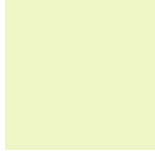
Protanomaly

159, 247, 161



Deuteranomaly

178, 245, 178



Tritanomaly

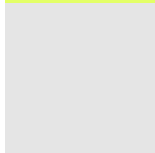
199, 245, 206

Monochromacy



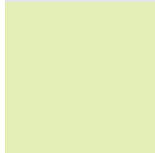
Original Color

102, 255, 130



Achromatopsia

229, 229, 229



Achromatomaly

183, 238, 193

CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 255, 130 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 102) }
```

Border

The CSS property to change the border of an element to RYB 102, 255, 130 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, 102) }
```

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

```
.border{ border-color:rgb(227, 255, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 102, 255, 130 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, 102) }
```

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

```
.background{ background-color: rgb(227,  
255, 102) }
```

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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