

Converting Colors

`RYB(112, 255, 137)`

Have a look what the booklet for
RYB(112, 255, 137) contains.

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Color

R_YB(112, 255, 137)

Conversions

Conversions Part 1

Format	Color
Hex	E6FF70
RGB	230, 255, 112
RGB Percent	90%, 100%, 44%
CMY	0.0980, 0.0000, 0.5608
CMYK	0.10, 0.00, 0.56, 0.00
HSL	70°, 100%, 72%
HSV	70°, 56%, 100%
XYZ	71.3178, 89.5128, 28.8481
YIQ	231.2230, 31.0030, -49.7730

Conversions

Conversions Part 2

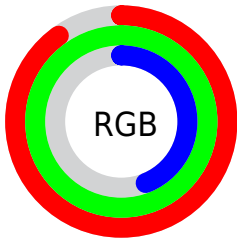
Format	Color
RYB	112, 255, 137
Decimal	15138672
CIELab	95.79, -27.52, 64.29
CIElCh	96, 69.938, 113.175
Yxy	89.5128, 0.3760, 0.4719
Android (android.graphics.Color)	4293328752 (0xFFE6FF70)
YUV	231.2230, -58.7769, -1.0726
Hunter-Lab	94.6112, -31.0167, 48.1496

Details

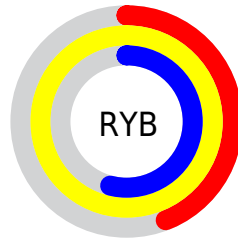
The RYB color **112, 255, 137** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **137, 112, 255**, and the grayscale version is **232, 232, 232**.

A 20% lighter version of the original color is **168, 255, 168**, and **56, 198, 82** is the 20% darker color. If you saturate the color by 10%, you get **87, 255, 116**, and if you desaturate by 10%, it is **138, 255, 159**.

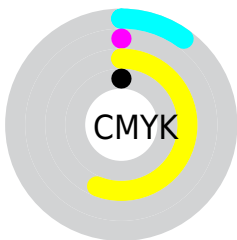
Distribution



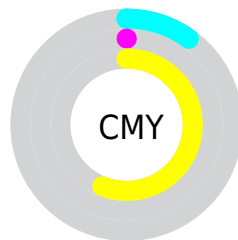
- Red (90%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (54%)



- Cyan (10%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 255, 137 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 112, 255, 137 by changing the saturation by 10% instead.

 112, 255, 137


255, 255, 255

 168, 255, 168


 196, 255, 196


 225, 255, 225


 112, 255, 137


 84, 226, 109

 56, 198, 82

 22, 171, 50

 0, 144, 28

 0, 119, 31

 0, 94, 32

 0, 70, 36

 0, 47, 45

 0, 29, 29

■ 112, 255, 137

■ 112, 255, 137

■ 87, 255, 116

■ 138, 255, 159

■ 61, 255, 95

■ 163, 255, 179

■ 35, 255, 73

■ 189, 255, 201

■ 10, 255, 53

■ 214, 255, 221

■ 0, 255, 45

■ 240, 255, 243

255, 255, 255

Harmonies

Analogous

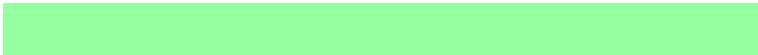
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



127, 255, 103



112, 255, 137



148, 246, 255

Triad

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



112, 255, 137



0, 128, 255



255, 186, 255

Complementary

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



112, 255, 137



137, 112, 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, 204, 255



112, 255, 137



36, 146, 255

Square

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



112, 255, 137



0, 128, 255



222, 229, 255



255, 188, 193

Rectangle

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



112, 255, 137



53, 170, 255



222, 229, 255



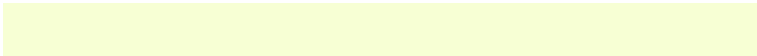
255, 190, 255

Sweetspot

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



112, 255, 137



212, 255, 220



255, 141, 112



102, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



112, 255, 137



84, 255, 114



112, 255, 207



115, 128, 118



0, 191, 33



0, 64, 11

Inverse Universe

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



137, 112, 255



114, 84, 255



207, 112, 255



117, 115, 128



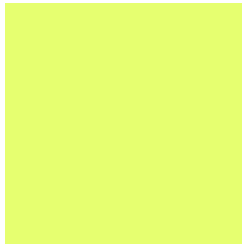
33, 0, 191



11, 0, 64

Previews

White Background



This preview shows how the RYB color 112, 255, 137 looks on a white background.

Color Contrast Check

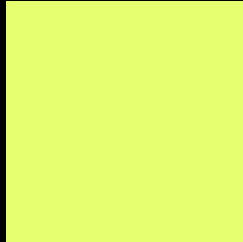
Large Text (above 18pt) WCAG AA × Fail

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 112, 255, 137 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 112, 255, 137 Background



This preview shows how black text looks on a background with the RYB color 112, 255, 137.

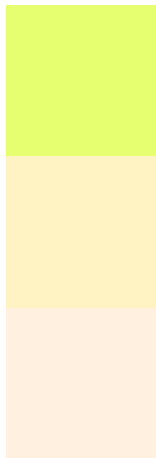


This preview shows how white text looks on a background with the RYB color 112, 255, 137.

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
112, 255, 137

Protanopia
211, 255, 196

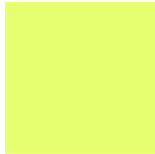
Deuteranopia
253, 255, 224



Tritanopia

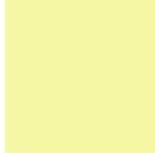
245, 240, 255

Trichromacy



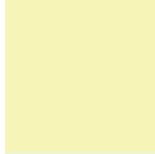
Original Color

112, 255, 137



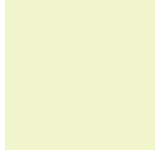
Protanomaly

165, 247, 166



Deuteranomaly

184, 246, 183



Tritanomaly

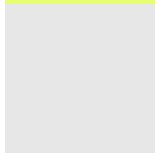
203, 245, 208

Monochromacy



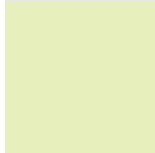
Original Color

112, 255, 137



Achromatopsia

231, 231, 231



Achromatomaly

188, 240, 197

CSS Examples

Text

The CSS property to change the color of the text to RGB 112, 255, 137 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(230, 255, 112)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 112)  
}
```

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(230, 255, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 112) }
```

Border

The CSS property to change the border of an element to RYB 112, 255, 137 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(230, 255, 112) }
```

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

```
.border{ border-color:rgb(230, 255, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 112);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 112, 255, 137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 112) }
```

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

```
.background{ background-color: rgb(230,  
255, 112) }
```

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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