

Converting Colors

`RYB(112, 236, 221)`

Have a look what the booklet for
RYB(112, 236, 221) contains.

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Color

$\text{RYB}(112, 236, 221)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7FEC70 |
| RGB | 127, 236, 112 |
| RGB Percent | 50%, 93%, 44% |
| CMY | 0.5020, 0.0745, 0.5608 |
| CMYK | 0.46, 0.00, 0.53, 0.07 |
| HSL | 113°, 77%, 68% |
| HSV | 113°, 53%, 93% |
| XYZ | 41.6725, 65.6728, 25.8090 |
| YIQ | 189.2730, -25.1600, -61.6720 |

Conversions

Conversions Part 2

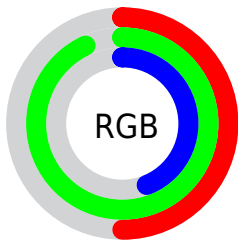
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 112, 236, 221 |
| Decimal | 8383600 |
| CIELab | 84.83, -54.76, 50.07 |
| CIELCh | 85, 74.201, 137.564 |
| Yxy | 65.6728, 0.3130, 0.4932 |
| Android (android.graphics.Color) | 4286573680 (0xFF7FEC70) |
| YUV | 189.2730, -38.0956, -54.6134 |
| Hunter-Lab | 81.0387, -50.0279, 37.8446 |

Details

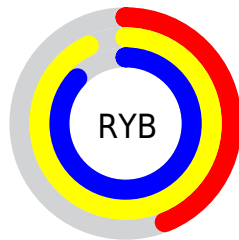
The RYB color **112, 236, 221** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **221, 112, 236**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **166, 255, 235**, and **59, 179, 171** is the 20% darker color. If you saturate the color by 10%, you get **88, 236, 218**, and if you desaturate by 10%, it is **136, 236, 224**.

Distribution



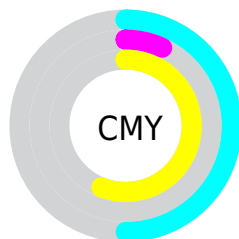
- Red (50%)
- Green (93%)
- Blue (44%)



- Red (44%)
- Yellow (93%)
- Blue (87%)



- Cyan (46%)
- Magenta (0%)
- Yellow (53%)
- Black (7%)



- Cyan (50%)
- Magenta (7%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 236, 221 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, 236, 221 by changing the saturation by 10% instead.

 112, 236, 221

255, 255, 255

 166, 255, 235


 194, 255, 234


 223, 255, 233

252, 255, 252

 112, 236, 221

 86, 207, 195

 59, 179, 171

 29, 150, 152

 0, 125, 125

 0, 99, 99

 0, 74, 74

 0, 51, 51

 0, 26, 26

 0, 0, 0

■ 112, 236, 221

■ 112, 236, 221

■ 88, 236, 218

■ 136, 236, 224

■ 65, 236, 215

■ 159, 236, 227

■ 41, 236, 212

■ 183, 236, 230

■ 18, 236, 210

■ 206, 236, 232

■ 0, 236, 207

■ 230, 236, 235

■ 251, 236, 254

■ 255, 236, 255

Harmonies

Analogous

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



65, 221, 76



112, 236, 221



0, 141, 244

Triad

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



112, 236, 221



0, 120, 255



255, 149, 173

Complementary

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



112, 236, 221



221, 112, 236

Split Complementary

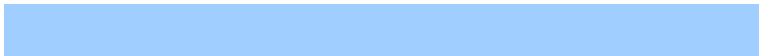
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 151, 244



112, 236, 221



160, 191, 255

Square

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



112, 236, 221



0, 124, 255



255, 176, 255



255, 212, 110

Rectangle

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



112, 236, 221



0, 128, 246



255, 176, 255



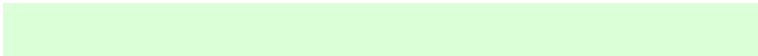
255, 147, 197

Sweetspot

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



112, 236, 221



214, 255, 250



132, 236, 112



103, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

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



112, 236, 221



94, 255, 235



112, 203, 236



106, 117, 116



0, 181, 159



0, 54, 48

Inverse Universe

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



221, 112, 236



236, 94, 255



236, 112, 191



116, 106, 117



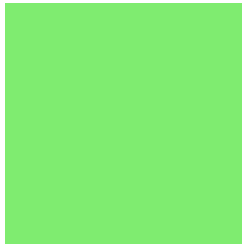
159, 0, 181



47, 0, 54

Previews

White Background



This preview shows how the RYB color 112, 236, 221 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, 236, 221 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, 236, 221 Background



This preview shows how black text looks on a background with the RYB color 112, 236, 221.

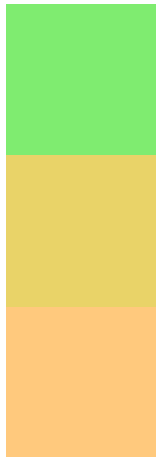


This preview shows how white text looks on a background with the RYB color 112, 236, 221.

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, 236, 221

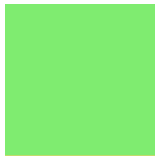
Protanopia
131, 233, 104

Deuteranopia
217, 255, 125



Tritanopia
152, 191, 240

Trichromacy



Original Color

112, 236, 221



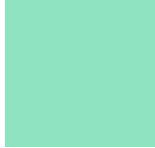
Protanomaly

107, 220, 133



Deuteranomaly

120, 214, 126



Tritanomaly

143, 196, 227

Monochromacy



Original Color

112, 236, 221



Achromatopsia

189, 189, 189



Achromatomaly

161, 206, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 236, 221 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(127, 236, 112)` looks like.

```
.text, #text, p{  
    color:rgb(127, 236, 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(127, 236, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 236, 112) }
```

Border

The CSS property to change the border of an element to RYB 112, 236, 221 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(127, 236, 112) }
```

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

```
.border{ border-color:rgb(127, 236, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 236, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 236, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 236, 112);  
box-shadow:4px 4px 4px 4px rgb(127, 236,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 112, 236, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 236, 112) }
```

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

```
.background{ background-color: rgb(127,  
236, 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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