

Converting Colors

`RYB(112, 243, 157)`

Have a look what the booklet for
RYB(112, 243, 157) contains.

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Color

R_YB(112, 243, 157)

Conversions

Conversions Part 1

Format	Color
Hex	C6F370
RGB	198, 243, 112
RGB Percent	78%, 95%, 44%
CMY	0.2235, 0.0471, 0.5608
CMYK	0.19, 0.00, 0.54, 0.05
HSL	81°, 85%, 70%
HSV	81°, 54%, 95%
XYZ	58.2639, 77.2768, 27.1743
YIQ	214.6110, 15.2310, -50.2810

Conversions

Conversions Part 2

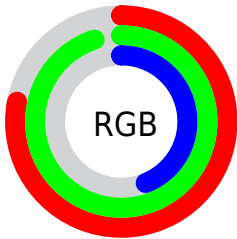
Format	Color
RYB	112, 243, 157
Decimal	13038448
CIELab	90.45, -34.09, 57.61
CIElCh	90, 66.943, 120.614
Yxy	77.2768, 0.3581, 0.4749
Android (android.graphics.Color)	4291228528 (0xFFC6F370)
YUV	214.6110, -50.5872, -14.5678
Hunter-Lab	87.9072, -35.5298, 43.2070

Details

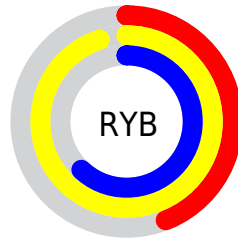
The RYB color **112, 243, 157** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **157, 112, 243**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **167, 255, 167**, and **58, 187, 104** is the 20% darker color. If you saturate the color by 10%, you get **88, 243, 141**, and if you desaturate by 10%, it is **136, 243, 173**.

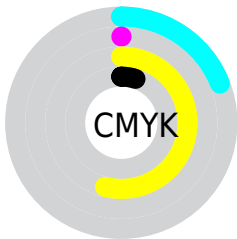
Distribution



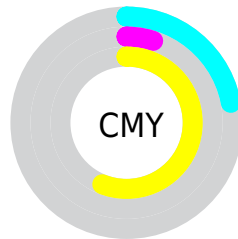
- Red (78%)
- Green (95%)
- Blue (44%)



- Red (44%)
- Yellow (95%)
- Blue (62%)



- Cyan (19%)
- Magenta (0%)
- Yellow (54%)
- Black (5%)



- Cyan (22%)
- Magenta (5%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 243, 157 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, 243, 157 by changing the saturation by 10% instead.

 112, 243, 157

255, 255, 255

 167, 255, 167


 195, 255, 195


 224, 255, 224


253, 255, 253


 112, 243, 157


 85, 214, 130

 58, 187, 104

 28, 160, 74

 0, 133, 46

 0, 108, 49

 0, 83, 51

 0, 60, 60

 0, 38, 38

 0, 3, 3

■ 112, 243, 157

■ 112, 243, 157

■ 88, 243, 141

■ 136, 243, 173

■ 63, 243, 125

■ 161, 243, 189

■ 39, 243, 109

■ 185, 243, 205

■ 15, 243, 93

■ 209, 243, 221

■ 0, 243, 83

■ 233, 243, 236

■ 248, 243, 255

■ 255, 243, 255

Harmonies

Analogous

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



131, 255, 94



112, 243, 157



112, 218, 255

Triad

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



112, 243, 157



0, 126, 255



255, 172, 229

Complementary

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



112, 243, 157



157, 112, 243

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, 185, 255



112, 243, 157



104, 174, 255

Square

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



112, 243, 157



0, 128, 255



233, 210, 255



255, 183, 166

Rectangle

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



112, 243, 157



0, 141, 255



233, 210, 255



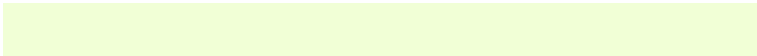
255, 174, 251

Sweetspot

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



112, 243, 157



214, 255, 228



243, 178, 112



103, 128, 112



0, 0, 0



128, 128, 128

Same Dimension

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



112, 243, 157



89, 255, 146



112, 243, 221



110, 122, 114



0, 186, 64



0, 59, 20

Inverse Universe

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



157, 112, 243



146, 89, 255



221, 112, 243



114, 110, 122



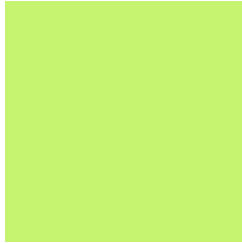
64, 0, 186



20, 0, 59

Previews

White Background



This preview shows how the RYB color 112, 243, 157 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, 243, 157 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, 243, 157 Background



This preview shows how black text looks on a background with the RYB color 112, 243, 157.

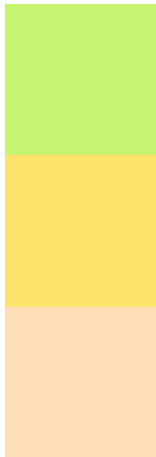


This preview shows how white text looks on a background with the RYB color 112, 243, 157.

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, 243, 157

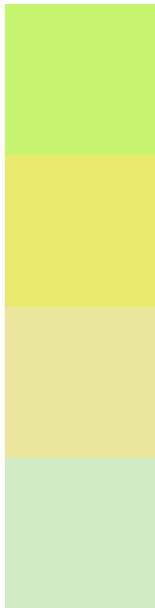
Protanopia
137, 252, 107

Deuteranopia
241, 255, 181



Tritanopia
215, 225, 247

Trichromacy



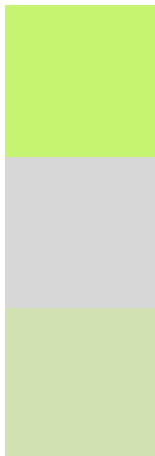
Original Color
112, 243, 157

Protanomaly
109, 233, 110

Deuteranomaly
160, 234, 156

Tritanomaly
198, 234, 223

Monochromacy



Original Color
112, 243, 157

Achromatopsia
215, 215, 215

Achromatomaly
178, 225, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 243, 157 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(198, 243, 112)` looks like.

```
.text, #text, p{  
    color:rgb(198, 243, 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(198, 243, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 243, 112) }
```

Border

The CSS property to change the border of an element to RYB 112, 243, 157 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(198, 243, 112) }
```

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

```
.border{ border-color:rgb(198, 243, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 243, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 243, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 243, 112);  
box-shadow:4px 4px 4px 4px rgb(198, 243,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 112, 243, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 243, 112) }
```

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

```
.background{ background-color: rgb(198,  
243, 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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