

Converting Colors

`RYB(122, 253, 117)`

Have a look what the booklet for
RYB(122, 253, 117) contains.

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Color

R_YB(122, 253, 117)

Conversions

Conversions Part 1

Format	Color
Hex	FDF875
RGB	253, 248, 117
RGB Percent	99%, 97%, 46%
CMY	0.0078, 0.0268, 0.5412
CMYK	0.00, 0.02, 0.54, 0.01
HSL	58°, 97%, 73%
HSV	58°, 54%, 99%
XYZ	77.3408, 89.4109, 30.0114
YIQ	234.5610, 45.0310, -39.6810

Conversions

Conversions Part 2

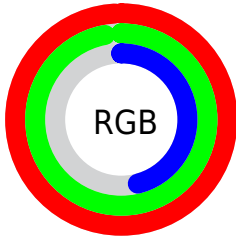
Format	Color
RYB	122, 253, 117
Decimal	16644213
CIELab	95.75, -14.89, 62.52
CIELCh	96, 64.267, 103.400
Yxy	89.4109, 0.3931, 0.4544
Android (android.graphics.Color)	4294834293 (0xFFFFDF875)
YUV	234.5610, -57.9576, 16.1710
Hunter-Lab	94.5573, -19.4756, 47.3722

Details

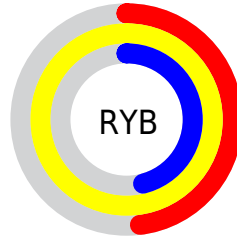
The RYB color **122, 253, 117** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **117, 122, 253**, and the grayscale version is **235, 235, 235**.

A 20% lighter version of the original color is **172, 255, 172**, and **64, 194, 62** is the 20% darker color. If you saturate the color by 10%, you get **98, 253, 92**, and if you desaturate by 10%, it is **146, 253, 142**.

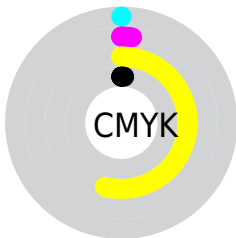
Distribution



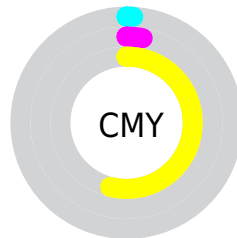
- Red (99%)
- Green (97%)
- Blue (46%)



- Red (48%)
- Yellow (99%)
- Blue (46%)



- Cyan (0%)
- Magenta (2%)
- Yellow (54%)
- Black (1%)



- Cyan (1%)
- Magenta (3%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 253, 117 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 122, 253, 117 by changing the saturation by 10% instead.

 122, 253, 117

255, 255, 255


 172, 255, 172


 201, 255, 201

 230, 255, 230

 122, 253, 117

 93, 223, 90

 64, 194, 62

 32, 165, 32

 0, 139, 2

 0, 113, 4

 0, 89, 6

 0, 66, 10

 0, 44, 14

 0, 25, 25

■ 122, 253, 117

■ 122, 253, 117

■ 98, 253, 92

■ 146, 253, 142

■ 73, 253, 66

■ 171, 253, 168

■ 49, 253, 41

■ 195, 253, 193

■ 24, 253, 16

■ 219, 253, 218

■ 9, 253, 0

■ 243, 253, 243

253, 254, 255

253, 254, 255

Harmonies

Analogous

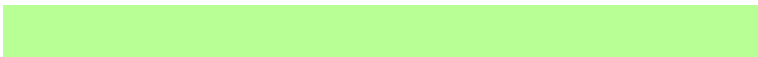
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



157, 255, 122



122, 253, 117



149, 255, 220

Triad

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



122, 253, 117



0, 128, 255



255, 196, 255

Complementary

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



122, 253, 117



117, 122, 253

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, 216, 255



122, 253, 117



0, 128, 255

Square

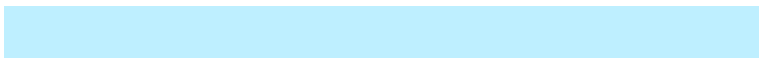
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



122, 253, 117



0, 128, 255



190, 218, 255



255, 191, 217

Rectangle

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



122, 253, 117



126, 215, 255



190, 218, 255



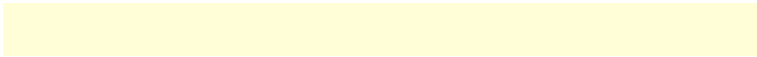
255, 201, 255

Sweetspot

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



122, 253, 117



215, 255, 214



253, 117, 124



104, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



122, 253, 117



95, 255, 89



117, 253, 178



116, 128, 115



7, 191, 0



3, 64, 0

Inverse Universe

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



117, 122, 253



89, 95, 255



178, 117, 253



115, 115, 128



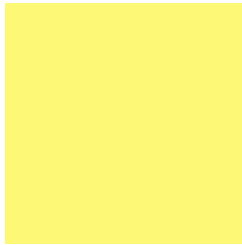
0, 7, 191



0, 2, 64

Previews

White Background



This preview shows how the RYB color 122, 253, 117 looks on a white background.

Color Contrast Check

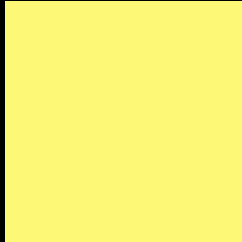
Large Text (above 18pt) WCAG AA × Fail

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 122, 253, 117 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 122, 253, 117 Background



This preview shows how black text looks on a background with the RYB color 122, 253, 117.

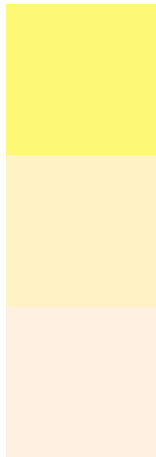


This preview shows how white text looks on a background with the RYB color 122, 253, 117.

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
122, 253, 117

Protanopia
212, 255, 197

Deuteranopia
255, 255, 225



Tritanopia

255, 238, 247

Trichromacy



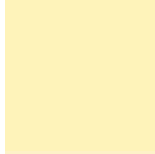
Original Color

122, 253, 117



Protanomaly

178, 254, 168



Deuteranomaly

199, 254, 186



Tritanomaly

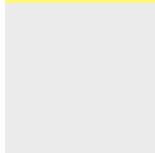
215, 254, 200

Monochromacy



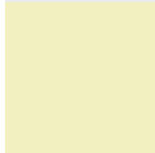
Original Color

122, 253, 117



Achromatopsia

235, 235, 235



Achromatomaly

194, 242, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 253, 117 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(253, 248, 117)` looks like.

```
.text, #text, p{  
    color:rgb(253, 248, 117)  
}
```

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(253, 248, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 248, 117) }
```

Border

The CSS property to change the border of an element to RYB 122, 253, 117 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(253, 248, 117) }
```

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

```
.border{ border-color:rgb(253, 248, 117) }
```

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

Here you see how a box with a 4 pixel rgb(253, 248, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 248, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 248, 117);  
box-shadow:4px 4px 4px 4px rgb(253, 248,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 122, 253, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 248, 117) }
```

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

```
.background{ background-color: rgb(253,  
248, 117) }
```

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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