

Converting Colors

`RYB(159, 247, 120)`

Have a look what the booklet for
RYB(159, 247, 120) contains.

RYB(159, 247, 120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(159, 247, 120)

Conversions

Conversions Part 1

Format	Color
Hex	F7D978
RGB	247, 217, 120
RGB Percent	97%, 85%, 47%
CMY	0.0314, 0.1484, 0.5294
CMYK	0.00, 0.12, 0.51, 0.03
HSL	46°, 89%, 72%
HSV	46°, 51%, 97%
XYZ	66.6027, 70.8398, 27.9324
YIQ	214.9120, 49.0170, -23.8070

Conversions

Conversions Part 2

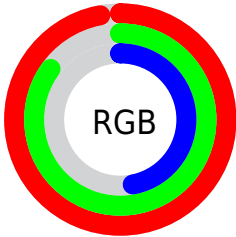
Format	Color
RYB	159, 247, 120
Decimal	16243064
CIELab	87.41, -1.61, 51.21
CIELCh	87, 51.233, 91.804
Yxy	70.8398, 0.4027, 0.4284
Android (android.graphics.Color)	4294433144 (0xFFF7D978)
YUV	214.9120, -46.7916, 28.1412
Hunter-Lab	84.1664, -6.0402, 39.2398

Details

The RYB color **159, 247, 120** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **120, 144, 247**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **174, 255, 174**, and **101, 188, 68** is the 20% darker color. If you saturate the color by 10%, you get **142, 247, 95**, and if you desaturate by 10%, it is **176, 247, 145**.

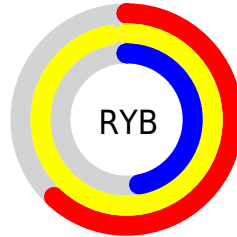
Distribution



Red (97%)

Green (85%)

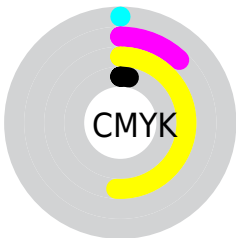
Blue (47%)



Red (62%)

Yellow (97%)

Blue (47%)

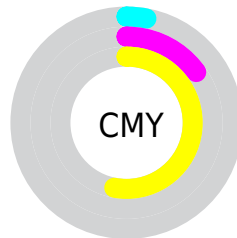


Cyan (0%)

Magenta (12%)

Yellow (51%)

Black (3%)



Cyan (3%)

Magenta (15%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 247, 120 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 159, 247, 120 by changing the saturation by 10% instead.

 159, 247, 120

255, 255, 255

 174, 255, 174


 202, 255, 202

 231, 255, 231

 159, 247, 120

 130, 217, 94

 100, 188, 68

 72, 160, 42

 36, 132, 11

 20, 104, 0

 17, 78, 0

 12, 52, 0

 8, 28, 0

 0, 0, 0

159, 247, 120

159, 247, 120

142, 247, 95

176, 247, 145

124, 247, 71

192, 247, 169

107, 247, 46

210, 247, 194

90, 247, 21

228, 247, 219

76, 247, 0

246, 247, 244

247, 250, 255

247, 251, 255

Harmonies

Analogous

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



235, 255, 134



159, 247, 120



134, 231, 169

Triad

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



159, 247, 120



0, 124, 255



255, 188, 255

Complementary

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



159, 247, 120



120, 144, 247

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.



228, 205, 255



159, 247, 120



0, 123, 255

Square

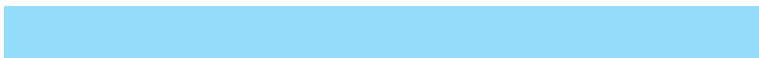
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



159, 247, 120



47, 153, 245



148, 192, 255



255, 180, 218

Rectangle

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



159, 247, 120



157, 238, 237



148, 192, 255



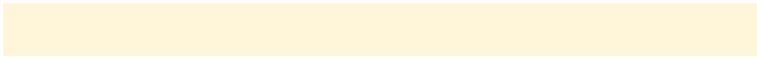
255, 193, 255

Sweetspot

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



159, 247, 120



229, 255, 217



247, 120, 152



113, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



159, 247, 120



145, 255, 97



120, 247, 152



112, 122, 110



58, 186, 0



18, 59, 0

Inverse Universe

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



120, 144, 247



97, 127, 255



152, 120, 247



110, 112, 122



0, 36, 186



0, 11, 59

Previews

White Background



This preview shows how the RYB color 159, 247, 120 looks on a white background.

Color Contrast Check

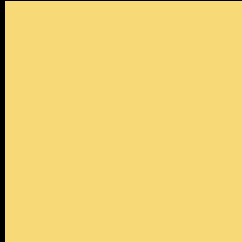
Large Text (above 18pt) WCAG AA × Fail

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 159, 247, 120 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 159, 247, 120 Background



This preview shows how black text looks on a background with the RYB color 159, 247, 120.



This preview shows how white text looks on a background with the RYB color 159, 247, 120.

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
159, 247, 120

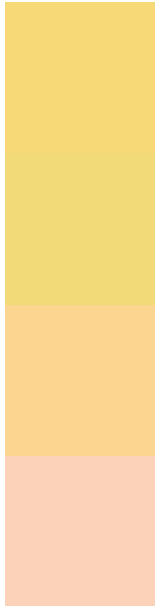
Protanopia
148, 241, 121

Deuteranopia
234, 255, 157



Tritanopia
255, 206, 221

Trichromacy



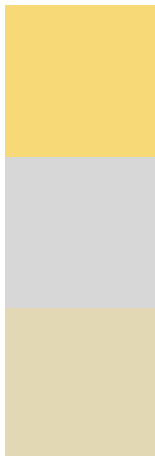
Original Color
159, 247, 120

Protanomaly
152, 243, 121

Deuteranomaly
203, 252, 144

Tritanomaly
252, 226, 184

Monochromacy



Original Color
159, 247, 120

Achromatopsia
215, 215, 215

Achromatomaly
194, 227, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 247, 120 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(247, 217, 120) looks like.

```
.text, #text, p{  
    color:rgb(247, 217, 120)  
}
```

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(247, 217, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 217, 120) }
```

Border

The CSS property to change the border of an element to RYB 159, 247, 120 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(247, 217, 120) }
```

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

```
.border{ border-color:rgb(247, 217, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 217, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 217, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 217, 120);  
box-shadow:4px 4px 4px 4px rgb(247, 217,  
120) }
```

Background

The CSS property to change the background color of an element to RYB 159, 247, 120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 217, 120) }
```

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

```
.background{ background-color: rgb(247,  
217, 120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor