

Converting Colors

`RYB(231, 255, 122)`

Have a look what the booklet for
RYB(231, 255, 122) contains.

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Color

R_YB(231, 255, 122)

Conversions

Conversions Part 1

Format	Color
Hex	FFC37A
RGB	255, 195, 122
RGB Percent	100%, 76%, 48%
CMY	0.0000, 0.2349, 0.5216
CMYK	0.00, 0.23, 0.52, 0.00
HSL	33°, 100%, 74%
HSV	33°, 52%, 100%
XYZ	64.2893, 61.7380, 26.9406
YIQ	204.6180, 59.1930, -9.9830

Conversions

Conversions Part 2

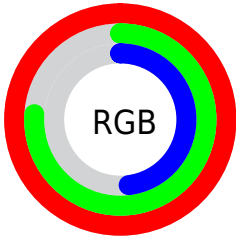
Format	Color
RYB	231, 255, 122
Decimal	16761722
CIELab	82.77, 13.16, 44.74
CIElCh	83, 46.635, 73.615
Yxy	61.7380, 0.4203, 0.4036
Android (android.graphics.Color)	4294951802 (0xFFFFC37A)
YUV	204.6180, -40.7307, 44.1850
Hunter-Lab	78.5735, 8.5460, 34.6726

Details

The RYB color **231, 255, 122** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **122, 163, 255**, and the grayscale version is **205, 205, 205**.

A 20% lighter version of the original color is **179, 255, 176**, and **167, 195, 71** is the 20% darker color. If you saturate the color by 10%, you get **226, 255, 97**, and if you desaturate by 10%, it is **235, 255, 148**.

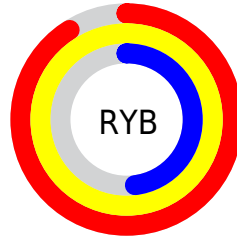
Distribution



Red (100%)

Green (76%)

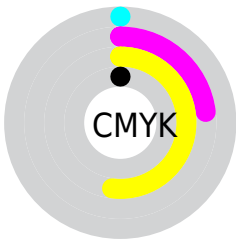
Blue (48%)



Red (91%)

Yellow (100%)

Blue (48%)

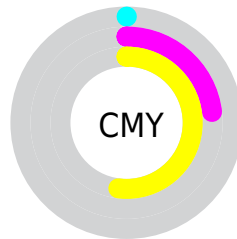


Cyan (0%)

Magenta (23%)

Yellow (52%)

Black (0%)



Cyan (0%)
















Magenta (23%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the RYB color 231, 255, 122 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 231, 255, 122 by changing the saturation by 10% instead.

 231, 255, 122	 231, 255, 122
 255, 255, 255	 198, 225, 96
 179, 255, 176	 164, 195, 71
 203, 255, 203	 133, 166, 47
 232, 255, 232	 100, 138, 21
	 68, 110, 0
	 67, 83, 0
	 56, 45, 0
	 33, 0, 0
	 0, 0, 0

 231, 255, 122

 231, 255, 122

 226, 255, 97


 235, 255, 148

 222, 255, 71

 240, 255, 173

 217, 255, 46

 244, 255, 199

 213, 255, 20

 250, 255, 224

 209, 255, 0

 253, 255, 250

255, 255, 255

Harmonies

Analogous

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



255, 194, 148



231, 255, 122



124, 215, 119

Triad

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



231, 255, 122



11, 121, 229



236, 187, 255

Complementary

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



231, 255, 122



122, 163, 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.



174, 196, 255



231, 255, 122



0, 120, 255

Square

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



231, 255, 122



108, 183, 228



92, 163, 255



255, 174, 232

Rectangle

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



231, 255, 122



131, 218, 166



92, 163, 255



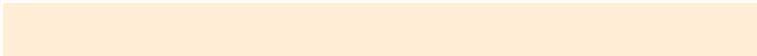
218, 193, 255

Sweetspot

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



231, 255, 122



246, 255, 214



255, 122, 184



123, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



231, 255, 122



224, 255, 94



122, 255, 126



126, 128, 115



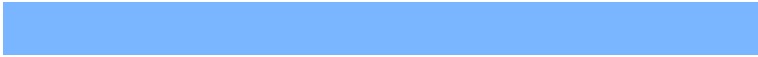
156, 191, 0



53, 64, 0

Inverse Universe

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



122, 163, 255



94, 144, 255



126, 122, 255



115, 119, 128



0, 59, 191



0, 20, 64

Previews

White Background



This preview shows how the RYB color 231, 255, 122 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 231, 255, 122 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 231, 255, 122 Background



This preview shows how black text looks on a background with the RYB color 231, 255, 122.





This preview shows how white text looks on a background with the RYB color 231, 255, 122.

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 231, 255, 122
	Protanopia 150, 225, 126
	Deuteranopia 215, 251, 122



Tritanopia
255, 189, 201

Trichromacy



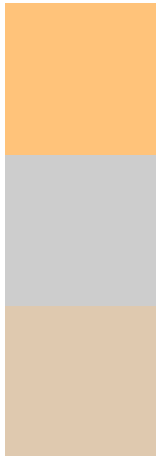
Original Color
231, 255, 122

Protanomaly
174, 236, 125

Deuteranomaly
220, 252, 122

Tritanomaly
255, 197, 172

Monochromacy



Original Color
231, 255, 122

Achromatopsia
205, 205, 205

Achromatomaly
216, 223, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 255, 122 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(255, 195, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 122)  
}
```

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(255, 195, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 122) }
```

Border

The CSS property to change the border of an element to RYB 231, 255, 122 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(255, 195, 122) }
```

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

```
.border{ border-color:rgb(255, 195, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
122) }
```

Background

The CSS property to change the background color of an element to RGB 255, 195, 122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 122) }
```

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

```
.background{ background-color: rgb(255,  
195, 122) }
```

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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