Converting Colors

RGB(255, 203, 102)

Have a look what the booklet for RGB(255, 203, 102) contains.

Color

RGB(255, 203, 102)

Conversions

Conversions Part 1

Format	Color
Hex	FFCB66
RGB	255, 203, 102
RGB Percent	100%, 80%, 40%
CMY	0.0000, 0.2039, 0.6000
CMYK	0.00, 0.20, 0.60, 0.00
HSL	40°, 100%, 70%
HSV	40°, 60%, 100%
XYZ	64.9942, 64.9312, 21.6778
YIQ	207.0340, 63.4130, -20.3870

Conversions

Conversions Part 2

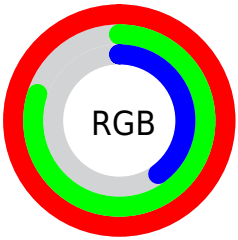
Format	Color
RYB	181, 255, 102
Decimal	16763750
CIELab	84.45, 7.54, 56.40
CIELCh	84, 56.904, 82.390
Yxy	64.9312, 0.4287, 0.4283
Android (android.graphics.Color)	4294953830 (0xFFFFCB66)
YUV	207.0340, -51.7818, 42.0662
Hunter-Lab	80.5799, 2.9599, 40.4556

Details

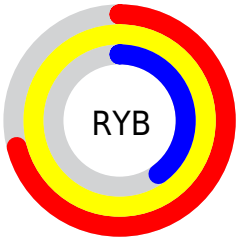
The RGB color 255, 203, 102 is a light color, and the websafe version is hex FFCC66. A complement of this color would be 102, 154, 255, and the grayscale version is 207, 207, 207.

A 20% lighter version of the original color is 255, 255, 156, and 195, 149, 49 is the 20% darker color. If you saturate the color by 10%, you get 255, 194, 77, and if you desaturate by 10%, it is 255, 212, 128.

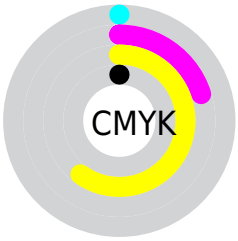
Distribution



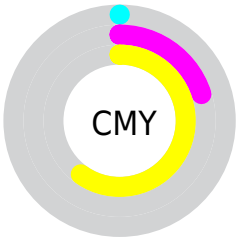
- Red (100%)
- Green (80%)
- Blue (40%)



- Red (71%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (20%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RGB color 255, 203, 102 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 RGB color 255, 203, 102 by changing the saturation by 10% instead.

255, 203, 102

255, 255, 255

255, 255, 156

255, 255, 184

255, 255, 212

255, 255, 241

255, 203, 102

225, 176, 76

195, 149, 49

166, 123, 19

137, 99, 0

109, 75, 0

81, 53, 0

55, 32, 0

31, 10, 0

0, 0, 0

255, 203, 102

255, 194, 77

255, 186, 51

255, 177, 25

255, 168, 0

255, 203, 102

255, 212, 128

255, 220, 153

255, 229, 179

255, 238, 204

255, 246, 230

255, 255, 255

Harmonies

Analogous

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

255, 183, 127

255, 203, 102

203, 220, 108

Triad

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

255, 203, 102

0, 238, 250

255, 181, 255

Complementary

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

255, 203, 102

102, 154, 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.

193, 202, 255

255, 203, 102

0, 233, 255

Square

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

255, 203, 102

24, 237, 195

79, 220, 255

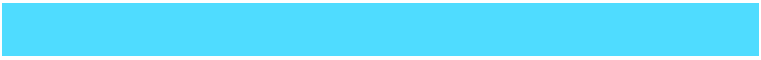
255, 167, 227

Rectangle

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

255, 203, 102

162, 228, 129



79, 220, 255

244, 188, 255

Sweetspot

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

255, 203, 102

255, 239, 209

255, 102, 156

128, 118, 99

0, 0, 0

128, 128, 128

Same Dimension

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

255, 203, 102

255, 193, 71

232, 255, 102

128, 123, 115

191, 126, 0

64, 42, 0

Inverse Universe

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

102, 154, 255

71, 134, 255

125, 102, 255

115, 119, 128

0, 65, 191

0, 22, 64

Previews

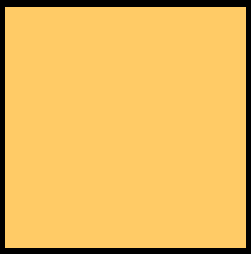
White Background

This preview shows how the RGB color 255, 203, 102 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



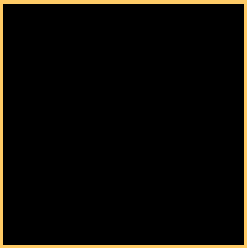
This preview shows how the RGB color 255, 203, 102 looks on a black background.

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.

RGB 255, 203, 102 Background



This preview shows how black text looks on a background with the RGB color 255, 203, 102.

This preview shows how white text looks on a background with the RGB color 255, 203, 102.

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
255, 203, 102

Protanopia
233, 211, 105

Deuteranopia
255, 202, 121

Tritanopia
255, 195, 207

Trichromacy

Original Color
255, 203, 102

Protanomaly
241, 208, 104

Deuteranomaly
255, 202, 114

Tritanomaly
255, 198, 169

Monochromacy

Original Color
255, 203, 102

Achromatopsia
207, 207, 207

Achromatomaly
224, 206, 169

CSS Examples

Text

The CSS property to change the color of the text to RGB 255, 203, 102 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, 203, 102) looks like.

```
.text, #text, p{
    color:rgb(255, 203, 102)
}
```

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, 203, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 102) }
```

Border

The CSS property to change the border of an element to RGB 255, 203, 102 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, 203, 102) }
```

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

```
.border{ border-color:rgb(255, 203, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 203, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 203, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 203, 102); box-shadow:4px 4px 4px 4px rgb(255, 203, 102) }
```

Background

The CSS property to change the background color of an element to RGB 255, 203, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 203, 102) }
```

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

```
.background{ background-color:rgb(255,
203, 102) }
```

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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