

Converting Colors

`RYB(255, 231, 163)`

Have a look what the booklet for
RYB(255, 231, 163) contains.

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Color

R_YB(255, 231, 163)

Conversions

Conversions Part 1

Format	Color
Hex	FFCAA3
RGB	255, 202, 163
RGB Percent	100%, 79%, 64%
CMY	0.0000, 0.2075, 0.3608
CMYK	0.00, 0.21, 0.36, 0.00
HSL	25°, 100%, 82%
HSV	25°, 36%, 100%
XYZ	68.9949, 66.1923, 43.7903
YIQ	213.4010, 44.1070, -0.8930

Conversions

Conversions Part 2

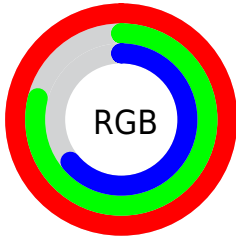
Format	Color
R _Y B	255, 231, 163
Decimal	16763555
CIE Lab	85.09, 13.61, 26.67
CIE LCh	85, 29.944, 62.967
Yxy	66.1923, 0.3855, 0.3698
Android (android.graphics.Color)	4294953635 (0xFFFFCAA3)
YUV	213.4010, -24.8477, 36.4823
Hunter-Lab	81.3587, 8.9962, 25.0390

Details

The RYB color **255, 231, 163** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **163, 197, 255**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is **218, 255, 218**, and **197, 176, 111** is the 20% darker color. If you saturate the color by 10%, you get **255, 224, 137**, and if you desaturate by 10%, it is **255, 239, 188**.

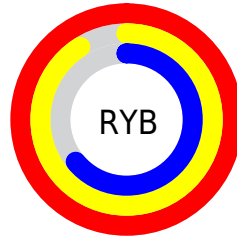
Distribution



Red (100%)

Green (79%)

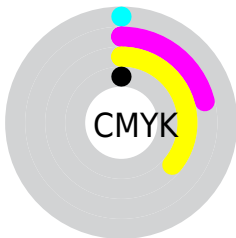
Blue (64%)



Red (100%)

Yellow (91%)

Blue (64%)

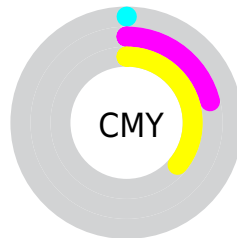


Cyan (0%)

Magenta (21%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 231, 163 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 255, 231, 163 by changing the saturation by 10% instead.

 255, 231, 163

 255, 231, 163


255, 255, 255


 226, 203, 137


 218, 255, 218

 197, 176, 111

 247, 255, 247

 168, 150, 86

 141, 123, 63

 114, 100, 40

 88, 80, 18

 63, 54, 0

 38, 9, 0

 0, 0, 0

■ 255, 231, 163

■ 255, 231, 163

■ 255, 224, 137

■ 255, 239, 188

■ 255, 218, 112

■ 255, 243, 214

■ 255, 211, 86

■ 255, 251, 239

■ 255, 203, 61

255, 255, 255

■ 255, 199, 35

■ 255, 191, 10

■ 255, 187, 0

Harmonies

Analogous

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



255, 197, 183



255, 231, 163



181, 231, 156

Triad

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



255, 231, 163



140, 189, 229



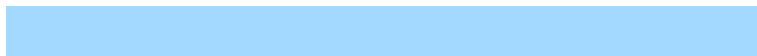
221, 204, 255

Complementary

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



255, 231, 163



163, 197, 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.



182, 204, 255



255, 231, 163



129, 181, 242

Square

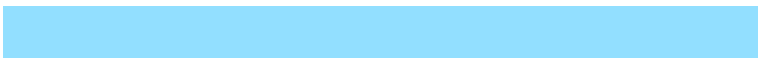
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



255, 231, 163



167, 212, 226



146, 191, 255



251, 196, 239

Rectangle

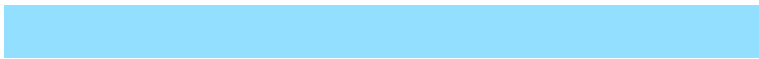
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



255, 231, 163



160, 218, 168



146, 191, 255



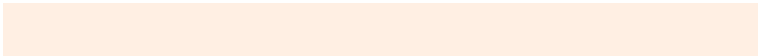
208, 208, 255

Sweetspot

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



255, 231, 163



255, 248, 227



255, 163, 217



128, 123, 111



0, 0, 0



128, 128, 128

Same Dimension

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



255, 231, 163



255, 227, 145



172, 255, 163



128, 123, 115



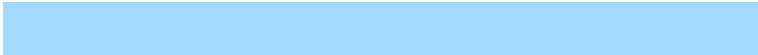
191, 141, 0



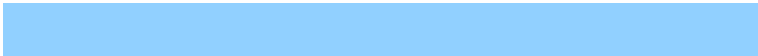
64, 47, 0

Inverse Universe

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



163, 197, 255



145, 185, 255



163, 170, 255



115, 120, 128



0, 70, 191



0, 23, 64

Previews

White Background



This preview shows how the RYB color 255, 231, 163 looks on a white background.

Color Contrast Check

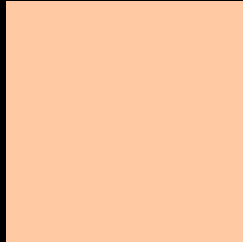
Large Text (above 18pt) WCAG AA × Fail

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 255, 231, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

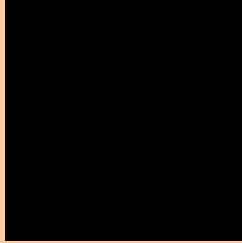
Any Text WCAG AA ✓ Pass

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, 231, 163 Background



This preview shows how black text looks on a background with the RGB color 255, 231, 163.







This preview shows how white text looks on a background with the RGB color 255, 231, 163.

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, 231, 163
	Protanopia 186, 226, 168
	Deuteranopia 250, 241, 163



Tritanopia
255, 198, 211

Trichromacy



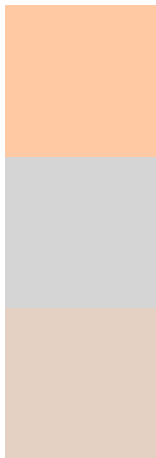
Original Color
255, 231, 163

Protanomaly
215, 237, 166

Deuteranomaly
252, 236, 163

Tritanomaly
255, 199, 194

Monochromacy



Original Color
255, 231, 163

Achromatopsia
213, 213, 213

Achromatomaly
228, 219, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 202, 163 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, 202, 163) looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 163)  
}
```

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, 202, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 163) }
```

Border

The CSS property to change the border of an element to RYB 255, 231, 163 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, 202, 163) }
```

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

```
.border{ border-color:rgb(255, 202, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
163) }
```

Background

The CSS property to change the background color of an element to RGB 255, 202, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 163) }
```

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

```
.background{ background-color: rgb(255,  
202, 163) }
```

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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