

# Converting Colors

RGB(255, 221, 166)

Have a look what the booklet for  
RGB(255, 221, 166) contains.

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# **Color**

**RGB(255, 221, 166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDDA6
RGB	255, 221, 166
RGB Percent	100%, 87%, 65%
CMY	0.0000, 0.1333, 0.3490
CMYK	0.00, 0.13, 0.35, 0.00
HSL	37°, 100%, 83%
HSV	37°, 35%, 100%
XYZ	73.9794, 75.7261, 46.7939
YIQ	224.8960, 37.9190, -9.8970

# Conversions

## Conversions Part 2

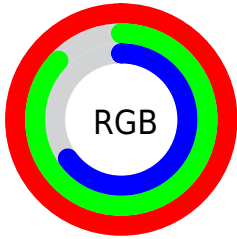
Format	Color
R <sub>YB</sub>	221, 255, 166
Decimal	16768422
CIE <sub>Lab</sub>	89.73, 4.19, 31.37
CIE <sub>LCh</sub>	90, 31.646, 82.390
Yxy	75.7261, 0.3765, 0.3854
Android (android.graphics.Color)	4294958502 (0xFFFFDDA6)
YUV	224.8960, -29.0357, 26.4012
Hunter-Lab	87.0207, -0.5371, 29.0324

# Details

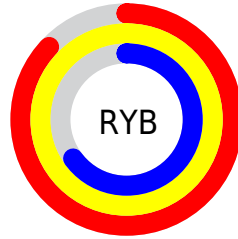
The RGB color **255, 221, 166** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **166, 200, 255**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **255, 255, 221**, and **197, 166, 114** is the 20% darker color. If you saturate the color by 10%, you get **255, 211, 141**, and if you desaturate by 10%, it is **255, 231, 192**.

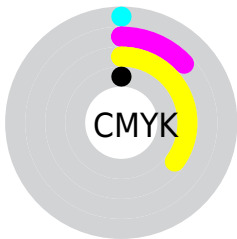
# Distribution



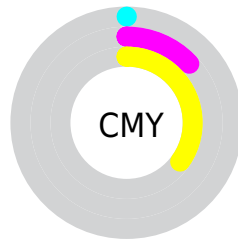
- Red (100%)
- Green (87%)
- Blue (65%)



- Red (87%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (13%)
- Yellow (35%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 255, 221, 166 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, 221, 166 by changing the saturation by 10% instead.



 255, 221, 166

 255, 221, 166

255, 255, 255

 226, 193, 139


 255, 255, 221

 197, 166, 114

 255, 255, 250

 169, 140, 89

 142, 114, 65

 115, 90, 41

 89, 67, 19

 64, 45, 0

 40, 24, 0

 8, 0, 0

 255, 221, 166


 255, 221, 166

 255, 211, 141


 255, 231, 192

 255, 202, 115


 255, 240, 217


 255, 192, 90

 255, 250, 243

 255, 182, 64

255, 255, 255

 255, 172, 38

 255, 163, 13

 255, 158, 0

# Harmonies

## Analogous

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



255, 211, 179



255, 221, 166



224, 231, 169

# Triad

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



255, 221, 166



137, 242, 248



255, 210, 255

# Complementary

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



255, 221, 166



166, 200, 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.



220, 221, 255



255, 221, 166



144, 238, 255

# Square

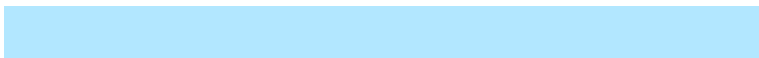
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



255, 221, 166



157, 242, 217



178, 231, 255



255, 204, 235

# Rectangle

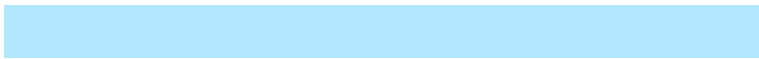
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



255, 221, 166



201, 236, 180



178, 231, 255



246, 214, 255

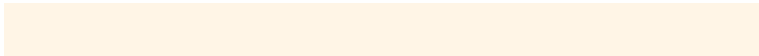


# Sweetspot

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



255, 221, 166



255, 245, 230



255, 166, 200



128, 122, 112



0, 0, 0



128, 128, 128



# Same Dimension

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



255, 221, 166



255, 214, 148



245, 255, 166



128, 123, 115



191, 118, 0



64, 39, 0



# Inverse Universe

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



166, 200, 255



148, 189, 255



176, 166, 255



115, 120, 128



0, 73, 191



0, 24, 64



# Previews

## White Background



This preview shows how the RGB color 255, 221, 166 looks on a white background.

## Color Contrast Check

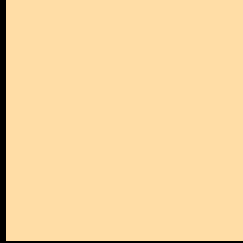
Large Text (above 18pt) WCAG AA × Fail

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, 221, 166 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, 221, 166 Background



This preview shows how black text looks on a background with the RGB color 255, 221, 166.



This preview shows how white text looks on a background with the RGB color 255, 221, 166.

# 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, 221, 166

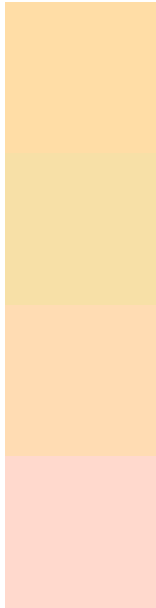
**Protanopia**  
242, 225, 168

**Deuteranopia**  
255, 219, 187



**Tritanopia**  
255, 215, 228

# Trichromacy



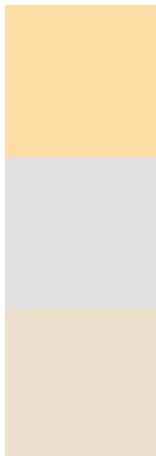
**Original Color**  
255, 221, 166

**Protanomaly**  
247, 224, 167

**Deuteranomaly**  
255, 220, 179

**Tritanomaly**  
255, 217, 205

# Monochromacy



**Original Color**  
255, 221, 166

**Achromatopsia**  
225, 225, 225

**Achromatomaly**  
236, 224, 204

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 255, 221, 166 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, 221, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 166)  
}
```

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, 221, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 166) }
```

## Border

The CSS property to change the border of an element to RGB 255, 221, 166 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, 221, 166) }
```

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

```
.border{ border-color:rgb(255, 221, 166) }
```

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

Here you see how a box with a 4 pixel rgb(255, 221, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
166) }
```

# Background

The CSS property to change the background color of an element to RGB 255, 221, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 166) }
```

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

```
.background{ background-color: rgb(255,  
221, 166) }
```

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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