

# Converting Colors

XYZ(82.1559, 68.9345, 49.8613)

Have a look what the booklet for  
XYZ(82.1559, 68.9345, 49.8613)  
contains.

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# Color

**XYZ(67.4899, 61.2215,  
49.3341)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFBEB0
RGB	255, 190, 176
RGB Percent	100%, 75%, 69%
CMY	0.0000, 0.2549, 0.3098
CMYK	0.00, 0.25, 0.31, 0.00
HSL	11°, 100%, 85%
HSV	11°, 31%, 100%
XYZ	67.4899, 61.2215, 49.3341
YIQ	207.8390, 43.2340, 9.4260

# Conversions

## Conversions Part 2

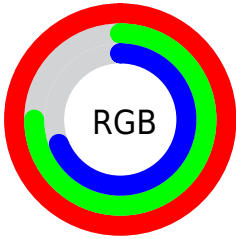
Format	Color
R <sub>Y</sub> B	255, 193, 176
Decimal	16760496
CIE Lab	82.50, 21.51, 16.21
CIE LCh	82, 26.936, 37.002
Yxy	61.2215, 0.3791, 0.3439
Android (android.graphics.Color)	4294950576 (0xFFFFBEB0)
YUV	207.8390, -15.6966, 41.3602
Hunter-Lab	78.2442, 17.0388, 17.3877

# Details

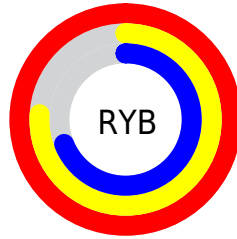
The XYZ color **67.4899, 61.2215, 49.3341** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **67.4086, 79.3579, 106.3725**, and the grayscale version is **59.9301, 63.0512, 68.6627**.

A 20% lighter version of the original color is **89.0663, 93.6077, 89.7177**, and **35.4053, 30.9087, 22.8388** is the 20% darker color. If you saturate the color by 10%, you get **60.9785, 51.8642, 35.8632**, and if you desaturate by 10%, it is **75.1324, 72.0822, 65.5214**.

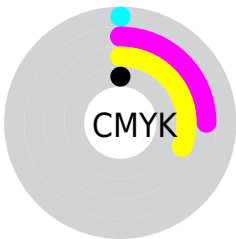
# Distribution



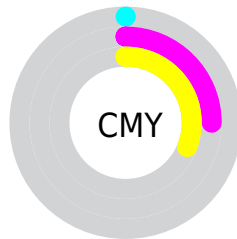
- Red (100%)
- Green (75%)
- Blue (69%)



- Red (100%)
- Yellow (76%)
- Blue (69%)



- Cyan (0%)
- Magenta (25%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (25%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4899, 61.2215, 49.3341 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 XYZ color 67.4899, 61.2215, 49.3341 by changing the saturation by 10% instead.





 67.4899, 61.2215,  
49.3341

 67.4899, 61.2215,  
49.3341


441.0917,  
429.0857, 400.7163

 49.7550, 44.4040,  
34.5171


 114.6680,  
106.5996, 90.5736

 35.4358, 30.9882,  
23.0106


144.8420,  
135.9289, 117.8332

 24.1668, 20.5899,  
14.3959


179.8930,  
170.1976, 150.0773

 15.5828, 12.8245,  
8.2547

220.1865,  
209.7901, 187.7247

 9.3184, 7.3078,  
4.1682

266.0877,  
255.0908, 231.1937

 5.0082, 3.6554,  
1.7181

317.9621,

 2.2869, 1.4827,

306.4840, 280.9030

0.3731

376.1750,  
364.3542, 337.2710

■ 0.7879, 0.2765,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.4899, 61.2215,  
49.3341

■ 67.4899, 61.2215,  
49.3341

■ 60.9785, 51.8642,  
35.8632

■ 75.1324, 72.0822,  
65.5214

■ 55.5392, 43.9355,  
24.9557

■ 83.9521, 84.4997,  
84.5594

■ 51.1144, 37.3669,  
16.4490

■ 93.9980, 98.5356,  
106.5777

■ 47.6393, 32.0809,  
10.1602

■ 95.0500, 100.0000,  
108.9000

■ 45.0411, 27.9919,  
5.8799

■ 43.2354, 25.0034,  
3.3581

■ 42.1863, 23.1526,  
2.2454

# Harmonies

## Analogous

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



69.8888, 61.2215, 62.8673



67.4899, 61.2215, 49.3341



62.6245, 61.2215, 41.5173

# Triad

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



67.4899, 61.2215, 49.3341



48.5779, 61.2215, 55.0193



59.5498, 61.2215, 103.3588

# Complementary

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



67.4899, 61.2215, 49.3341



67.4086, 79.3579, 106.3725

# 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.



53.9684, 61.2215, 100.3285



67.4899, 61.2215, 49.3341



47.8741, 61.2215, 70.6019

# Square

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



67.4899, 61.2215, 49.3341



51.7748, 61.2215, 44.4017



49.7848, 61.2215, 87.6302



65.1127, 61.2215, 95.3354



# Rectangle

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



67.4899, 61.2215, 49.3341



58.7703, 61.2215, 39.7364



49.7848, 61.2215, 87.6302



57.6119, 61.2215, 103.6178

# Sweetspot

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



67.4915, 61.2244, 49.3353



85.8422, 87.1483, 88.6781



72.7676, 58.7120, 91.3707



18.0755, 18.2354, 18.3305



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



67.4915, 61.2244, 49.3353



63.4388, 55.4141, 40.9090



77.0039, 80.2492, 52.5061



18.2697, 18.5076, 18.7537



22.1181, 12.2475, 1.1982

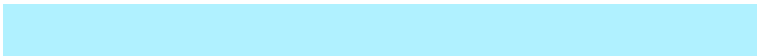


2.2213, 1.3280, 0.1392



# Inverse Universe

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



67.4086, 79.3579, 106.3725



63.3317, 76.0692, 105.9526



57.1539, 58.8484, 102.9543



18.2648, 19.9013, 23.1286



21.5469, 28.0034, 53.7041



2.1664, 2.8635, 5.2518



# Previews

## White Background



This preview shows how the XYZ color 67.4899, 61.2215, 49.3341 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

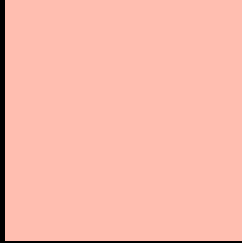
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.4899, 61.2215, 49.3341 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](#).

# XYZ 67.4899, 61.2215, 49.3341

## Background



This preview shows how black text looks on a background with the XYZ color 67.4899, 61.2215, 49.3341.



This preview shows how white text looks on a background with the XYZ color 67.4899, 61.2215,

49.3341.

# 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

67.4899, 61.2215, 49.3341

### Protanopia

58.2146, 61.4195, 54.1343

### Deuteranopia

62.8570, 61.4878, 49.1129



## Tritanopia

69.5529, 61.0177, 63.3701

# Trichromacy



## Original Color

67.4899, 61.2215, 49.3341

## Protanomaly

61.3079, 61.3028, 52.3174

## Deuteranomaly

64.5612, 61.3585, 48.9981

## Tritanomaly

68.7376, 61.0322, 58.0267

# Monochromacy



## Original Color

67.4899, 61.2215, 49.3341

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

61.9018, 61.7664, 60.8841

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.4899, 61.2215, 49.3341 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, 190, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 176)  
}
```

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, 190, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 67.4899, 61.2215, 49.3341 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, 190, 176) }
```



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

```
.border{ border-color:rgb(255, 190, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 190, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.4899, 61.2215, 49.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 176) }
```

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

```
.background{ background-color: rgb(255,  
190, 176) }
```

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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