

# Converting Colors

XYZ(68.1552, 66.1704, 38.4013)

Have a look what the booklet for  
XYZ(68.1552, 66.1704, 38.4013)  
contains.

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# **Color**

**XYZ(68.1819, 66.2062,  
38.4637)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCB97
RGB	255, 203, 151
RGB Percent	100%, 80%, 59%
CMY	0.0000, 0.2039, 0.4078
CMYK	0.00, 0.20, 0.41, 0.00
HSL	30°, 100%, 80%
HSV	30°, 41%, 100%
XYZ	68.1819, 66.2062, 38.4637
YIQ	212.6200, 47.6840, -5.1480

# Conversions

## Conversions Part 2

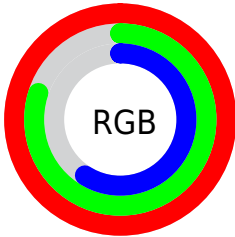
Format	Color
R <sub>Y</sub> B	255, 255, 151
Decimal	16763799
CIE Lab	85.10, 11.81, 32.93
CIE LCh	85, 34.984, 70.274
Yxy	66.2062, 0.3945, 0.3830
Android (android.graphics.Color)	4294953879 (0xFFFFCB97)
YUV	212.6200, -30.3787, 37.1673
Hunter-Lab	81.3672, 7.1821, 28.9296

# Details

The XYZ color **68.1819, 66.2062, 38.4637** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.1678, 56.5093, 102.7656**, and the grayscale version is **63.1675, 66.4572, 72.3718**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **35.7645, 34.1315, 16.5074** is the 20% darker color. If you saturate the color by 10%, you get **63.4432, 59.6922, 27.7485**, and if you desaturate by 10%, it is **73.6194, 73.4008, 51.6228**.

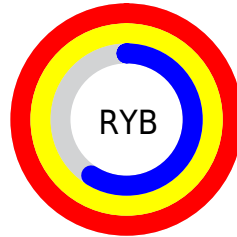
# Distribution



Red (100%)

Green (80%)

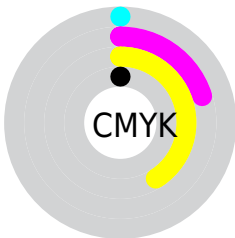
Blue (59%)



Red (100%)

Yellow (100%)

Blue (59%)

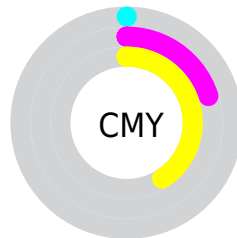


Cyan (0%)

Magenta (20%)

Yellow (41%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1819, 66.2062, 38.4637 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 68.1819, 66.2062, 38.4637 by changing the saturation by 10% instead.



68.1819, 66.2062,  
38.4637

68.1819, 66.2062,  
38.4637

443.5069,  
447.1140, 354.9626

50.3199, 48.4398,  
26.0382

115.6528,  
113.7822, 74.0296

35.8865, 34.1753,  
16.6262

145.9925,  
144.3607, 98.0070

24.5163, 23.0283,  
9.8092

181.2221,  
179.9786, 126.6722

15.8438, 14.6144,  
5.1687

221.7070,  
221.0203, 160.4436

9.5039, 8.5492,  
2.2861

267.8126,  
267.8704, 199.7398

5.1310, 4.4483,  
0.7234

319.9042,

2.3599, 1.9274,

320.9131, 244.9794

0.0000

378.3472,  
380.5328, 296.5808

■ 0.8250, 0.5648,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.1819, 66.2062,  
38.4637

■ 68.1819, 66.2062,  
38.4637

■ 63.4432, 59.6922,  
27.7485

■ 73.6194, 73.4008,  
51.6228

■ 59.3632, 53.8259,  
19.3178

■ 79.7831, 81.2887,  
67.3636

■ 55.9050, 48.5851,  
12.9989

■ 86.7046, 89.8940,  
85.8183

■ 53.0245, 43.9420,  
8.5929

■ 94.4121, 99.2363,  
107.1087

■ 50.6705, 39.8654, 95.0500, 100.0000,  
5.8614 108.9000

■ 48.8958, 36.5716,  
4.4819

# Harmonies

## Analogous

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



75.2123, 66.2062, 47.5123



68.1819, 66.2062, 38.4637



60.2624, 66.2062, 37.2589

# Triad

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



68.1819, 66.2062, 38.4637



49.1619, 66.2062, 80.1092



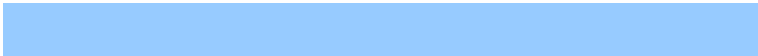
73.2412, 66.2062, 110.5312

# Complementary

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



68.1819, 66.2062, 38.4637



52.1678, 56.5093, 102.7656

# 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.



65.6690, 66.2062, 123.7830



68.1819, 66.2062, 38.4637



52.0581, 66.2062, 103.9427

# Square

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



68.1819, 66.2062, 38.4637



49.7121, 66.2062, 58.4081



57.9493, 66.2062, 121.1479



78.2979, 66.2062, 87.7511



# Rectangle

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



68.1819, 66.2062, 38.4637



55.5917, 66.2062, 40.7252



57.9493, 66.2062, 121.1479



70.8807, 66.2062, 116.4431

# Sweetspot

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



68.1835, 66.2093, 38.4650



85.8212, 88.8082, 83.4242



63.0865, 47.7057, 62.3836



18.1690, 18.7616, 17.3159



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.



68.1835, 66.2093, 38.4650



64.2392, 60.8061, 29.4877



82.5861, 95.0144, 43.2659



18.7599, 19.4879, 18.9171



25.6984, 19.4081, 2.3917

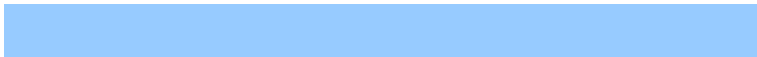


2.6114, 2.1081, 0.2693



# Inverse Universe

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



52.1678, 56.5093, 102.7656



46.2273, 49.8972, 101.8024



41.8798, 35.9334, 99.3363



17.7533, 18.8783, 22.9581



13.5794, 12.0683, 51.0483



1.4314, 1.3935, 5.0068



# Previews

## White Background



This preview shows how the XYZ color 68.1819, 66.2062, 38.4637 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 68.1819, 66.2062, 38.4637 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 68.1819, 66.2062, 38.4637**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.1819, 66.2062, 38.4637.



This preview shows how white text looks on a background with the XYZ color 68.1819, 66.2062,

38.4637.

# 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

68.1819, 66.2062, 38.4637

### Protanopia

62.0237, 66.6131, 40.5990

### Deuteranopia

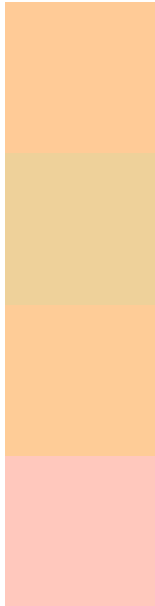
67.6868, 66.3027, 38.5084



## Tritanopia

73.1920, 66.3513, 70.5775

# Trichromacy



## Original Color

68.1819, 66.2062, 38.4637

## Protanomaly

63.8931, 66.1112, 39.9651

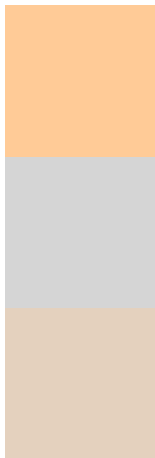
## Deuteranomaly

68.0518, 66.4909, 38.5255

## Tritanomaly

71.0796, 66.2427, 57.1839

# Monochromacy



## Original Color

68.1819, 66.2062, 38.4637

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

64.0896, 65.8126, 58.0404

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.1819, 66.2062, 38.4637 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 68.1819, 66.2062, 38.4637 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, 151) }
```



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

```
.border{ border-color:rgb(255, 203, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.1819, 66.2062, 38.4637 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, 151) }
```

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

```
.background{ background-color: rgb(255,  
203, 151) }
```

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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