

# Converting Colors

XYZ(68.7037, 66.0675, 47.0326)

Have a look what the booklet for  
XYZ(68.7037, 66.0675, 47.0326)  
contains.

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# Color

**XYZ(68.5211, 65.8388,  
47.1269)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FCCAAA
RGB	252, 202, 170
RGB Percent	99%, 79%, 67%
CMY	0.0118, 0.2078, 0.3333
CMYK	0.00, 0.20, 0.33, 0.01
HSL	23°, 93%, 83%
HSV	23°, 33%, 99%
XYZ	68.5211, 65.8388, 47.1269
YIQ	213.3020, 40.0720, 0.6480

# Conversions

## Conversions Part 2

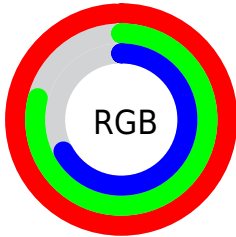
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 222, 170
Decimal	16566954
CIE <sub>Lab</sub>	84.91, 13.36, 22.70
CIE <sub>LCh</sub>	85, 26.341, 59.532
Yxy	65.8388, 0.3776, 0.3628
Android (android.graphics.Color)	4294757034 (0xFFFC <sub>CAA</sub> )
YUV	213.3020, -21.3479, 33.9381
Hunter-Lab	81.1411, 8.7407, 22.3630

# Details

The XYZ color **68.5211, 65.8388, 47.1269** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **59.7406, 66.7585, 101.8325**, and the grayscale version is **63.5691, 66.8797, 72.8320**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **36.1081, 33.9571, 21.7908** is the 20% darker color. If you saturate the color by 10%, you get **62.9350, 58.1227, 34.6097**, and if you desaturate by 10%, it is **74.9266, 74.4617, 62.1729**.

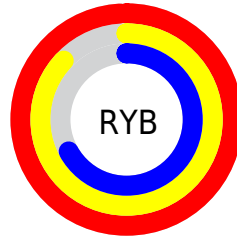
# Distribution



Red (99%)

Green (79%)

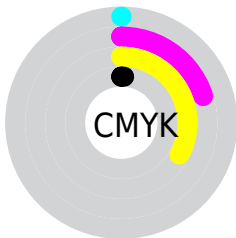
Blue (67%)



Red (99%)

Yellow (87%)

Blue (67%)

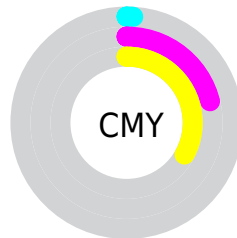


Cyan (0%)

Magenta (20%)

Yellow (33%)

Black (1%)



Cyan (1%)

Magenta (21%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5211, 65.8388, 47.1269 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 68.5211, 65.8388, 47.1269 by changing the saturation by 10% instead.





 68.5211, 65.8388,  
47.1269

 68.5211, 65.8388,  
47.1269


444.6879,  
445.8002, 391.7293

 50.5970, 48.1416,  
32.7809


 116.1351,  
113.2549, 87.2550

 36.1077, 33.9390,  
21.6889

146.5558,  
143.7426, 113.8742

 24.6879, 22.8467,  
13.4324


181.8726,  
179.2626, 145.4215

 15.9722, 14.4804,  
7.5927

222.4511,  
220.1992, 182.3155

 9.5952, 8.4555,  
3.7515

268.6565,  
266.9369, 224.9747

 5.1916, 4.3878,  
1.4900

320.8542,

 2.3960, 1.8928,

319.8600, 273.8178

0.2105

379.4096,  
379.3529, 329.2631

■ 0.8431, 0.5440,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 68.5211, 65.8388,  
47.1269

■ 68.5211, 65.8388,  
47.1269

■ 62.9350, 58.1227,  
34.6097

■ 74.9266, 74.4617,  
62.1729

■ 58.1264, 51.2728,  
24.4759

■ 82.1804, 84.0119,  
79.8739

■ 54.0574, 45.2589,  
16.5711

■ 90.3162, 94.5206,  
100.3527

■ 50.6840, 40.0448,  
10.7212

■ 93.9549, 99.4355,  
108.8488

■ 47.9567, 35.5915,  
6.7253

■ 45.8174, 31.8551,  
4.3411

■ 44.5462, 29.4980,  
3.3458

# Harmonies

## Analogous

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



72.9997, 65.8388, 56.8064



68.5211, 65.8388, 47.1269



62.6706, 65.8388, 43.8096

# Triad

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



68.5211, 65.8388, 47.1269



51.8841, 65.8388, 71.4218



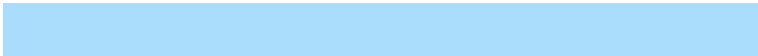
68.3505, 65.8388, 103.9114

# Complementary

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



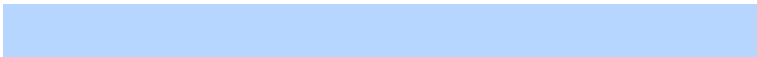
68.5211, 65.8388, 47.1269



59.7406, 66.7585, 101.8325

# 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.



62.4851, 65.8388, 109.4226



68.5211, 65.8388, 47.1269



53.1983, 65.8388, 88.9634

# Square

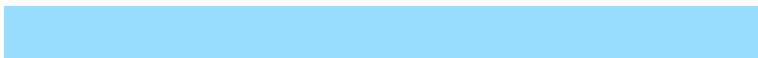
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5211, 65.8388, 47.1269



53.2816, 65.8388, 56.4131



56.9885, 65.8388, 103.5714



72.8969, 65.8388, 89.4960



# Rectangle

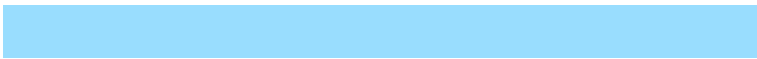
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.5211, 65.8388, 47.1269



58.8533, 65.8388, 45.1720



56.9885, 65.8388, 103.5714



66.4562, 65.8388, 106.9589

# Sweetspot

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



68.5228, 65.8419, 47.1282



86.4521, 88.9436, 87.1066



67.5135, 54.6430, 75.0936



18.2615, 18.7222, 18.0389



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.



68.5228, 65.8419, 47.1282



66.5761, 62.3919, 39.7870



79.2821, 87.3605, 50.7147



17.8002, 18.3363, 18.0635



23.3375, 15.6316, 1.7872

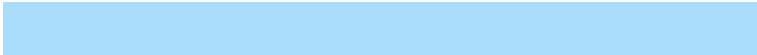


2.2611, 1.6471, 0.1987

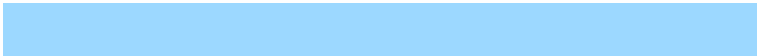


# Inverse Universe

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



59.7406, 66.7585, 101.8325



56.2763, 63.4490, 103.8886



50.3828, 48.0429, 98.7133



17.1639, 18.4046, 22.0331



15.2890, 15.9337, 50.2432



1.5191, 1.6818, 4.6877



# Previews

## White Background



This preview shows how the XYZ color 68.5211, 65.8388, 47.1269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

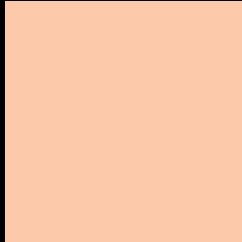
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.5211, 65.8388, 47.1269 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 68.5211, 65.8388, 47.1269**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.5211, 65.8388, 47.1269.



This preview shows how white text looks on a background with the XYZ color 68.5211, 65.8388,



# 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

68.5211, 65.8388, 47.1269

### Protanopia

62.3327, 66.1897, 50.0480

### Deuteranopia

67.2063, 65.8622, 47.2007



## Tritanopia

72.9641, 65.8957, 70.5015

# Trichromacy



## Original Color

68.5211, 65.8388, 47.1269

## Protanomaly

64.3597, 65.7910, 48.8420

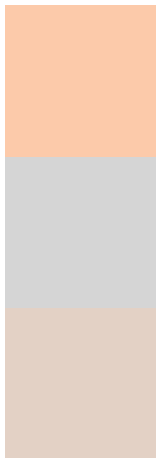
## Deuteranomaly

67.6786, 65.7539, 47.1549

## Tritanomaly

71.2603, 65.9032, 61.1893

# Monochromacy



## Original Color

68.5211, 65.8388, 47.1269

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

64.5571, 65.9630, 62.1529

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.5211, 65.8388, 47.1269 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(252, 202, 170)` looks like.

```
.text, #text, p{  
    color:rgb(252, 202, 170)  
}
```

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(252, 202, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 202, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 68.5211, 65.8388, 47.1269 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(252, 202, 170) }
```



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

```
.border{ border-color:rgb(252, 202, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 202, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 202, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 202, 170);  
box-shadow:4px 4px 4px 4px rgb(252, 202,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.5211, 65.8388, 47.1269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 202, 170) }
```

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

```
.background{ background-color: rgb(252,  
202, 170) }
```

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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