

# Converting Colors

XYZ(69.0550, 64.3589, 63.2507)

Have a look what the booklet for  
XYZ(69.0550, 64.3589, 63.2507)  
contains.

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# Color

**XYZ(68.9772, 64.3325,  
63.4255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7C6C8
RGB	247, 198, 200
RGB Percent	97%, 78%, 78%
CMY	0.0314, 0.2235, 0.2157
CMYK	0.00, 0.20, 0.19, 0.03
HSL	358°, 75%, 87%
HSV	358°, 20%, 97%
XYZ	68.9772, 64.3325, 63.4255
YIQ	212.8790, 28.5620, 11.0100

# Conversions

## Conversions Part 2

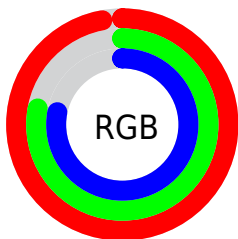
Format	Color
R <sub>Y</sub> B	247, 198, 200
Decimal	16238280
CIE Lab	84.14, 17.69, 5.62
CIE LCh	84, 18.563, 17.627
Yxy	64.3325, 0.3506, 0.3270
Android (android.graphics.Color)	4294428360 (0xFFFF7C6C8)
YUV	212.8790, -6.3493, 29.9241
Hunter-Lab	80.2075, 13.1439, 9.2607

# Details

The XYZ color **68.9772, 64.3325, 63.4255** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.0335, 85.1214, 98.9713**, and the grayscale version is **63.1942, 66.4852, 72.4024**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3968, 32.9690, 31.6395** is the 20% darker color. If you saturate the color by 10%, you get **61.2272, 52.9257, 48.2225**, and if you desaturate by 10%, it is **78.0805, 77.7581, 81.1982**.

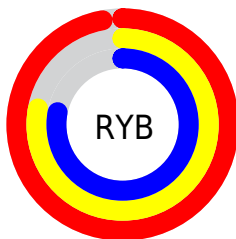
# Distribution



Red (97%)

Green (78%)

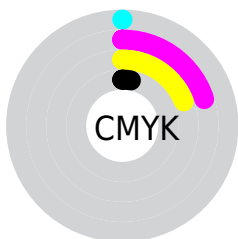
Blue (78%)



Red (97%)

Yellow (78%)

Blue (78%)

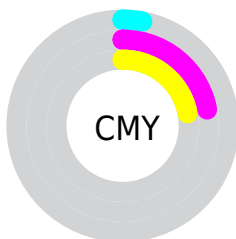


Cyan (0%)

Magenta (20%)

Yellow (19%)

Black (3%)



Cyan (3%)

Magenta (22%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9772, 64.3325, 63.4255 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 68.9772, 64.3325, 63.4255 by changing the saturation by 10% instead.



68.9772, 64.3325,  
63.4255

68.9772, 64.3325,  
63.4255

446.2732,  
440.3894, 455.2625

50.9697, 46.9200,  
45.7423

116.7833,  
111.0897, 111.3746

36.4055, 32.9724,  
31.6953

147.3125,  
141.2031, 142.4777

24.9191, 22.1053,  
20.8660

182.7465,  
176.3191, 178.8911

16.1452, 13.9343,  
12.8358

223.4504,  
216.8218, 221.0334

9.7184, 8.0750,  
7.1862

269.7897,  
263.0959, 269.3231

5.2735, 4.1430,  
3.4986


322.1297,

2.4450, 1.7539,

315.5255, 324.1789


1.3545


380.8357,  
374.4952, 386.0191


 0.8676, 0.4582,  
0.1059


 0.0000, 0.0000,  
0.0000


 68.9772, 64.3325,  
63.4255


 68.9772, 64.3325,  
63.4255


 61.2272, 52.9257,  
48.2225

 78.0805, 77.7581,  
81.1982

 54.7611, 43.4318,  
35.4667

 88.5919, 93.2840,  
101.6477

 49.5109, 35.7488,  
25.0313

 92.1680, 98.5143,  
108.7651

 45.4007, 29.7616,  
16.7769

■ 42.3459, 25.3417,  
10.5489

■ 40.2499, 22.3427,  
6.1724

■ 38.9987, 20.5904,  
3.4430

■ 38.4197, 19.8060,  
2.0981

■ 38.4131, 19.7963,  
2.0853

# Harmonies

## Analogous

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



69.1803, 64.3325, 75.0007



68.9772, 64.3325, 63.4255



66.6186, 64.3325, 54.6461

# Triad

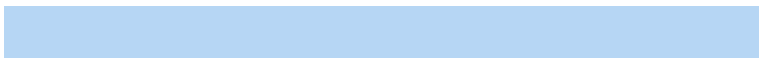
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9772, 64.3325, 63.4255



55.5010, 64.3325, 55.8968



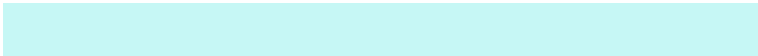
59.4713, 64.3325, 94.5151

# Complementary

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



68.9772, 64.3325, 63.4255



73.0335, 85.1214, 98.9713

# 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.



55.9819, 64.3325, 88.1000



68.9772, 64.3325, 63.4255



53.7594, 64.3325, 65.3167

# Square

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



68.9772, 64.3325, 63.4255



58.7881, 64.3325, 50.6453



53.9314, 64.3325, 77.1144



63.5664, 64.3325, 93.8620



# Rectangle

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



68.9772, 64.3325, 63.4255



64.1984, 64.3325, 51.1624



53.9314, 64.3325, 77.1144



58.1922, 64.3325, 93.0865

# Sweetspot

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



68.9790, 64.3354, 63.4268



88.0881, 89.7142, 95.3638



74.4838, 66.4382, 96.8943



18.6995, 18.9737, 20.1101



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.



68.9790, 64.3354, 63.4268



70.4844, 63.7535, 60.9899



74.1590, 75.0663, 64.0104



16.5265, 16.4934, 17.2530



20.3277, 10.4745, 1.1681



1.7960, 0.9244, 0.1524



# Inverse Universe

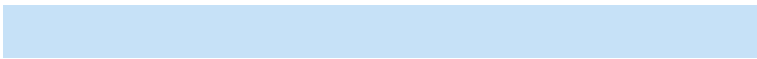
The Inverse Universe completely reimagines the original color for something new.



68.9790, 64.3354, 63.4268



70.4844, 63.7535, 60.9899



66.9914, 72.5471, 98.4684



16.5265, 16.4934, 17.2530



20.3277, 10.4745, 1.1681



1.7960, 0.9244, 0.1524



# Previews

## White Background



This preview shows how the XYZ color 68.9772, 64.3325, 63.4255 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 68.9772, 64.3325, 63.4255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

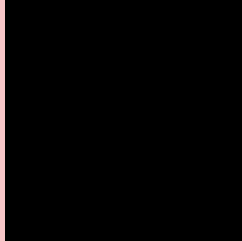
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 68.9772, 64.3325, 63.4255

## Background



This preview shows how black text looks on a background with the XYZ color 68.9772, 64.3325, 63.4255.



This preview shows how white text looks on a background with the XYZ color 68.9772, 64.3325,

63.4255.

# 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

68.9772, 64.3325, 63.4255

### Protanopia

61.9654, 64.5042, 67.5772

### Deuteranopia

65.9257, 64.4976, 63.0074



## **Tritanopia**

70.2092, 64.1395, 70.3077

# Trichromacy



## Original Color

68.9772, 64.3325, 63.4255

## Protanomaly

64.4090, 64.3532, 66.1534

## Deuteranomaly

66.7921, 64.2475, 62.9135

## Tritanomaly

69.9401, 64.3940, 67.7745

# Monochromacy



## Original Color

68.9772, 64.3325, 63.4255

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

64.9924, 65.6734, 68.9253

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.9772, 64.3325, 63.4255 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(247, 198, 200)` looks like.

```
.text, #text, p{  
    color:rgb(247, 198, 200)  
}
```

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(247, 198, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 198, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 68.9772, 64.3325, 63.4255 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(247, 198, 200) }
```



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

```
.border{ border-color:rgb(247, 198, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 198, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 198, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 198, 200);  
box-shadow:4px 4px 4px 4px rgb(247, 198,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.9772, 64.3325, 63.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 198, 200) }
```

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

```
.background{ background-color: rgb(247,  
198, 200) }
```

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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