

# Converting Colors

XYZ(69.2396, 67.6264, 63.4367)

Have a look what the booklet for  
XYZ(69.2396, 67.6264, 63.4367)  
contains.

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# Color

**XYZ(69.2396, 67.6264,  
63.4367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2CFC7
RGB	242, 207, 199
RGB Percent	95%, 81%, 78%
CMY	0.0510, 0.1882, 0.2196
CMYK	0.00, 0.14, 0.18, 0.05
HSL	11°, 62%, 86%
HSV	11°, 18%, 95%
XYZ	69.2396, 67.6264, 63.4367
YIQ	216.5530, 23.4280, 4.9320

# Conversions

## Conversions Part 2

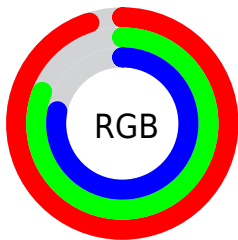
Format	Color
R <sub>Y</sub> B	242, 209, 199
Decimal	15912903
CIE Lab	85.82, 11.02, 8.51
CIE LCh	86, 13.920, 37.684
Yxy	67.6264, 0.3457, 0.3376
Android (android.graphics.Color)	4294102983 (0xFFFF2CFC7)
YUV	216.5530, -8.6536, 22.3170
Hunter-Lab	82.2353, 6.3798, 11.8281

# Details

The XYZ color **69.2396, 67.6264, 63.4367** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **69.0026, 77.3968, 95.3073**, and the grayscale version is **65.6951, 69.1163, 75.2677**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.5097, 35.1411, 31.6467** is the 20% darker color. If you saturate the color by 10%, you get **62.1729, 57.6373, 48.3035**, and if you desaturate by 10%, it is **77.3521, 78.9908, 81.1245**.

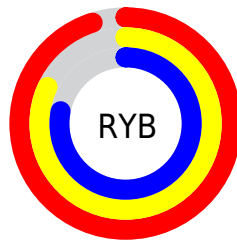
# Distribution



Red (95%)

Green (81%)

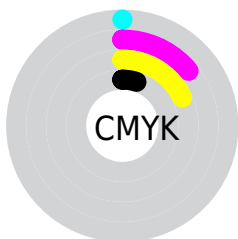
Blue (78%)



Red (95%)

Yellow (82%)

Blue (78%)

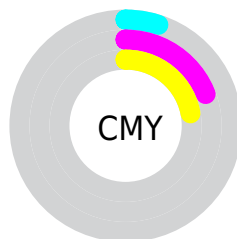


Cyan (0%)

Magenta (14%)

Yellow (18%)

Black (5%)



Cyan (5%)

Magenta (19%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2396, 67.6264, 63.4367 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 69.2396, 67.6264, 63.4367 by changing the saturation by 10% instead.



69.2396, 67.6264,  
63.4367

69.2396, 67.6264,  
63.4367

447.1837,  
452.1712, 455.3041

51.1842, 49.5939,  
45.7513

117.1559,  
115.8175, 111.3909

36.5769, 35.0908,  
31.7024

147.7476,  
146.7449, 142.4969

25.0522, 23.7328,  
20.8713

183.2487,  
182.7393, 178.9134

16.2449, 15.1355,  
12.8397

224.0246,  
224.1852, 221.0591

9.7896, 8.9146,  
7.1888

270.4408,  
271.4669, 269.3525

5.3209, 4.6855,  
3.5002

322.8624,

2.4734, 2.0639,

324.9689, 324.2121

1.3554

381.6550,  
385.0755, 386.0565

■ 0.8819, 0.6442,  
0.1065

■ 0.0000, 0.0000,  
0.0000

■ 69.2396, 67.6264,  
63.4367

■ 69.2396, 67.6264,  
63.4367

■ 62.1729, 57.6373,  
48.3035

■ 77.3521, 78.9908,  
81.1245

■ 56.1035, 48.9623,  
35.6024

■ 86.5453, 91.7705,  
101.4731

■ 50.9875, 41.5489,  
25.2071

■ 90.4282, 97.6174,  
108.6837

■ 46.7750, 35.3378,  
16.9783

■ 43.4120, 30.2646,  
10.7615

■ 40.8380, 26.2591,  
6.3817

■ 38.9842, 23.2425,  
3.6333

■ 37.7648, 21.1232,  
2.2418

■ 37.5585, 20.7579,  
2.0271

# Harmonies

## Analogous

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



70.5305, 67.6264, 71.3164



69.2396, 67.6264, 63.4367



66.6273, 67.6264, 58.5892

# Triad

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



69.2396, 67.6264, 63.4367



58.7833, 67.6264, 67.1808



65.0981, 67.6264, 92.3921

# Complementary

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



69.2396, 67.6264, 63.4367



69.0026, 77.3968, 95.3073

# 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.



61.9824, 67.6264, 91.0554



69.2396, 67.6264, 63.4367



58.4042, 67.6264, 76.0006

# Square

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



69.2396, 67.6264, 63.4367



60.6101, 67.6264, 60.6233



59.5571, 67.6264, 84.8687



68.0886, 67.6264, 88.3838



# Rectangle

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



69.2396, 67.6264, 63.4367



64.5243, 67.6264, 57.4820



59.5571, 67.6264, 84.8687



64.0300, 67.6264, 92.5585

# Sweetspot

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



69.2414, 67.6294, 63.4381



89.8432, 92.7630, 97.3712



71.9102, 65.6722, 86.8165



19.0788, 19.6444, 20.5078



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

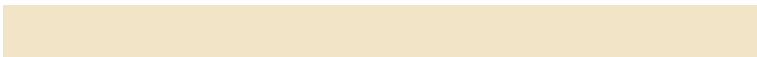
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.2414, 67.6294, 63.4381



75.2340, 72.2949, 65.5253



74.7765, 78.6995, 65.2831



16.0108, 16.2348, 16.4395



20.2486, 11.2952, 1.1130

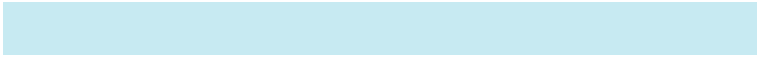


1.7499, 1.0704, 0.1144

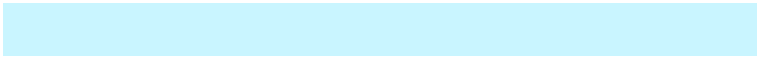


# Inverse Universe

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



69.0026, 77.3968, 95.3073



74.9206, 85.0240, 107.0703



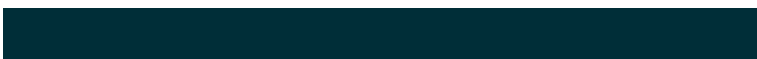
63.2790, 65.9497, 93.3995



15.9827, 17.3994, 20.2377



19.4243, 25.0729, 48.9437

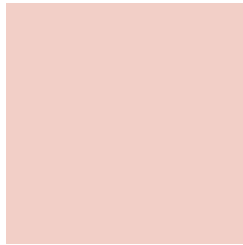


1.6799, 2.2138, 4.0930



# Previews

## White Background



This preview shows how the XYZ color 69.2396, 67.6264, 63.4367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

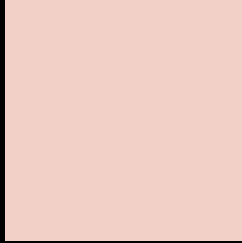
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.2396, 67.6264, 63.4367 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

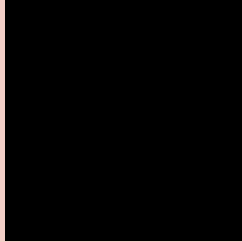
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.2396, 67.6264, 63.4367**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.2396, 67.6264, 63.4367.



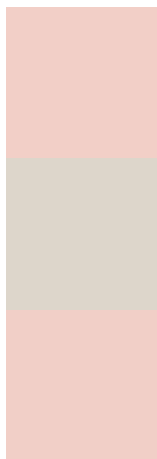
This preview shows how white text looks on a background with the XYZ color 69.2396, 67.6264,

63.4367.

# 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

69.2396, 67.6264, 63.4367

### Protanopia

64.6449, 67.7771, 66.1750

### Deuteranopia

68.8973, 67.4499, 63.4207



## Tritanopia

72.1673, 67.7655, 76.9866

# Trichromacy



## Original Color

69.2396, 67.6264, 63.4367

## Protanomaly

66.2680, 67.5108, 65.4153

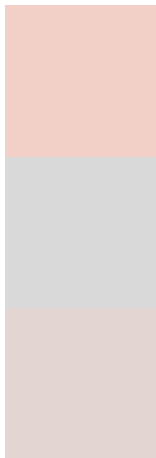
## Deuteranomaly

68.8973, 67.4499, 63.4207

## Tritanomaly

71.0232, 67.6492, 71.6016

# Monochromacy



## Original Color

69.2396, 67.6264, 63.4367

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

66.7911, 68.4104, 70.6570

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.2396, 67.6264, 63.4367 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(242, 207, 199)` looks like.

```
.text, #text, p{  
    color:rgb(242, 207, 199)  
}
```

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(242, 207, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 207, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 69.2396, 67.6264, 63.4367 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(242, 207, 199) }
```



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

```
.border{ border-color:rgb(242, 207, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 207, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 207, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 207, 199);  
box-shadow:4px 4px 4px 4px rgb(242, 207,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.2396, 67.6264, 63.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 207, 199) }
```

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

```
.background{ background-color: rgb(242,  
207, 199) }
```

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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