

# Converting Colors

XYZ(75.0026, 72.4744, 63.4685)

Have a look what the booklet for  
XYZ(75.0026, 72.4744, 63.4685)  
contains.

<b>XYZ(74.9765, 72.4242, 63.4537)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(74.9765, 72.4242,  
63.4537)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD4C6
RGB	255, 212, 198
RGB Percent	100%, 83%, 78%
CMY	0.0000, 0.1686, 0.2235
CMYK	0.00, 0.17, 0.22, 0.00
HSL	15°, 100%, 89%
HSV	15°, 22%, 100%
XYZ	74.9765, 72.4242, 63.4537
YIQ	223.2610, 30.1220, 4.7620

# Conversions

## Conversions Part 2

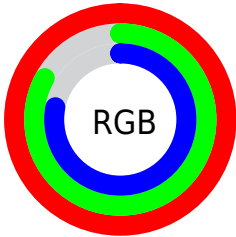
Format	Color
R <sub>Y</sub> B	255, 217, 198
Decimal	16766150
CIE Lab	88.17, 12.97, 12.55
CIE LCh	88, 18.049, 44.059
Yxy	72.4242, 0.3556, 0.3435
Android (android.graphics.Color)	4294956230 (0xFFFFD4C6)
YUV	223.2610, -12.4537, 27.8351
Hunter-Lab	85.1024, 8.3320, 15.3641

# Details

The XYZ color **74.9765, 72.4242, 63.4537** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.7931, 82.1338, 106.6246**, and the grayscale version is **70.3971, 74.0632, 80.6549**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3797, 38.1333, 31.6178** is the 20% darker color. If you saturate the color by 10%, you get **67.7542, 62.2970, 47.7363**, and if you desaturate by 10%, it is **83.2704, 83.9016, 81.9730**.

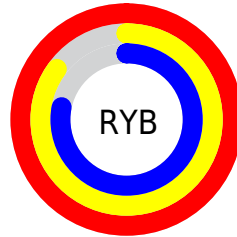
# Distribution



Red (100%)

Green (83%)

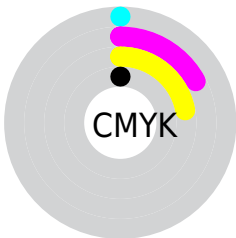
Blue (78%)



Red (100%)

Yellow (85%)

Blue (78%)

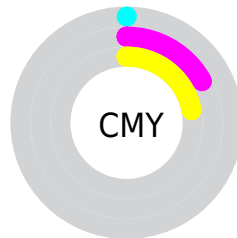


Cyan (0%)

Magenta (17%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (17%)

Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9765, 72.4242, 63.4537 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 74.9765, 72.4242, 63.4537 by changing the saturation by 10% instead.




 74.9765, 72.4242,  
63.4537

 74.9765, 72.4242,  
63.4537


466.8352,  
469.0167, 455.3674

 55.8877, 53.5053,  
45.7650


125.2672,  
122.6594, 111.4157

 40.3496, 38.2063,  
31.7131


157.1998,  
154.7445, 142.5260

 27.9966, 26.1428,  
20.8794


194.1445,  
191.9872, 178.9474

 18.4636, 16.9305,  
12.8455

236.4665,  
234.7717, 221.0982

 11.3850, 10.1850,  
7.1928

284.5312,  
283.4825, 269.3971

 6.3956, 5.5218,  
3.5027

338.7040,

 3.1300, 2.5565,

338.5040, 324.2625

1.3567

399.3502,  
400.2206, 386.1131

■ 1.2229, 0.9049,  
0.1076

■ 0.1243, 0.0000,  
0.0000

■ 74.9765, 72.4242,  
63.4537

■ 74.9765, 72.4242,  
63.4537

■ 67.7542, 62.2970,  
47.7363

■ 83.2704, 83.9016,  
81.9730

■ 61.5534, 53.4602,  
34.6791

■ 92.6727, 96.7668,  
103.4174

■ 56.3277, 45.8640,  
24.1347

95.0500, 100.0000,  
108.9000

■ 52.0249, 39.4515,  
15.9396

■ 48.5876, 34.1610,  
9.9106

■ 45.9514, 29.9249,  
5.8370

■ 44.0413, 26.6676,  
3.4649

■ 42.9984, 24.7768,  
2.5161

# Harmonies

## Analogous

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



77.2077, 72.4242, 73.2224



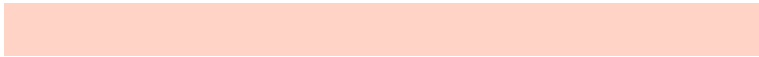
74.9765, 72.4242, 63.4537



71.1422, 72.4242, 58.1356

# Triad

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



74.9765, 72.4242, 63.4537



61.1596, 72.4242, 72.5066



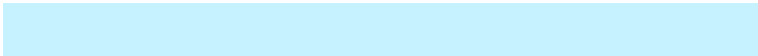
70.8733, 72.4242, 104.2408

# Complementary

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



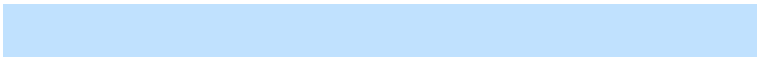
74.9765, 72.4242, 63.4537



72.7931, 82.1338, 106.6246

# 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.



66.5822, 72.4242, 103.9975



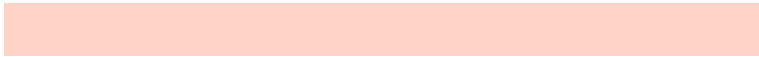
74.9765, 72.4242, 63.4537



61.0944, 72.4242, 84.7749

# Square

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



74.9765, 72.4242, 63.4537



63.2243, 72.4242, 62.9770



63.0422, 72.4242, 96.5722



74.7725, 72.4242, 97.2059



# Rectangle

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



74.9765, 72.4242, 63.4537



68.2512, 72.4242, 57.4409



63.0422, 72.4242, 96.5722



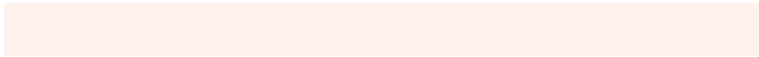
69.4262, 72.4242, 105.0287

# Sweetspot

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



74.9783, 72.4274, 63.4552



88.1621, 90.6115, 93.0788



77.4165, 68.0417, 92.8217



18.7488, 19.2283, 19.6455



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.



74.9783, 72.4274, 63.4552



71.4906, 67.5549, 55.8095



82.5346, 87.5400, 65.9740



18.3718, 18.7118, 18.7878



22.5649, 13.1411, 1.3472

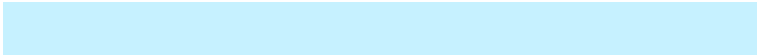


2.2785, 1.4423, 0.1583

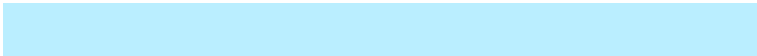


# Inverse Universe

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



72.7931, 82.1338, 106.6246



68.9350, 78.8755, 106.1990



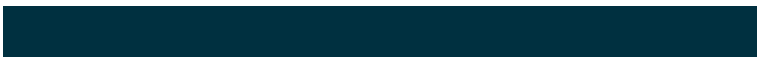
65.1840, 66.9158, 104.0882



18.1546, 19.6808, 23.0919



19.4441, 23.7978, 53.0032

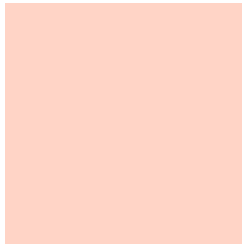


1.9788, 2.4883, 5.1893



# Previews

## White Background



This preview shows how the XYZ color 74.9765, 72.4242, 63.4537 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

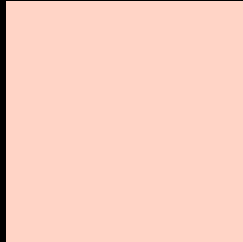
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9765, 72.4242, 63.4537 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

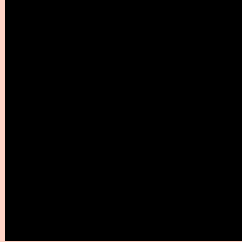
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.9765, 72.4242, 63.4537**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9765, 72.4242, 63.4537.



This preview shows how white text looks on a background with the XYZ color 74.9765, 72.4242, 63.4537.

63.4537.

# 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

74.9765, 72.4242, 63.4537

### Protanopia

69.2691, 72.8477, 66.9101

### Deuteranopia

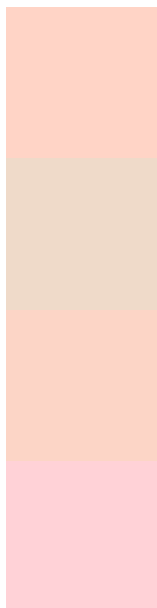
73.7710, 72.1749, 63.4691



## Tritanopia

77.4950, 72.2427, 80.3808

# Trichromacy



## Original Color

74.9765, 72.4242, 63.4537

## Protanomaly

71.2106, 72.7106, 65.5397

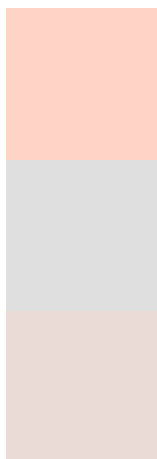
## Deuteranomaly

74.1322, 72.3612, 63.4860

## Tritanomaly

76.5523, 72.2595, 74.2027

# Monochromacy



## Original Color

74.9765, 72.4242, 63.4537

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

71.7301, 73.1802, 73.9629

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9765, 72.4242, 63.4537 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, 212, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 198)  
}
```

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, 212, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9765, 72.4242, 63.4537 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, 212, 198) }
```



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

```
.border{ border-color:rgb(255, 212, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9765, 72.4242, 63.4537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 198) }
```

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

```
.background{ background-color: rgb(255,  
212, 198) }
```

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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