

# Converting Colors

XYZ(77.0842, 78.1002, 73.0682)

Have a look what the booklet for  
XYZ(77.0842, 78.1002, 73.0682)  
contains.

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# Color

**XYZ(76.8971, 77.8389,  
73.2589)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7E0D4
RGB	247, 224, 212
RGB Percent	97%, 88%, 83%
CMY	0.0314, 0.1215, 0.1686
CMYK	0.00, 0.09, 0.14, 0.03
HSL	21°, 69%, 90%
HSV	21°, 14%, 97%
XYZ	76.8971, 77.8389, 73.2589
YIQ	229.5090, 17.5600, 1.1440

# Conversions

## Conversions Part 2

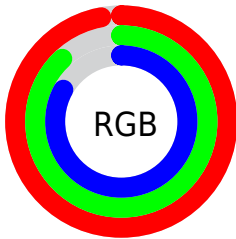
Format	Color
R <sub>Y</sub> B	247, 230, 212
Decimal	16244948
CIE Lab	90.71, 5.96, 8.72
CIE LCh	91, 10.566, 55.660
Yxy	77.8389, 0.3373, 0.3414
Android (android.graphics.Color)	4294435028 (0xFFFF7E0D4)
YUV	229.5090, -8.6319, 15.3396
Hunter-Lab	88.2264, 1.1825, 12.5269

# Details

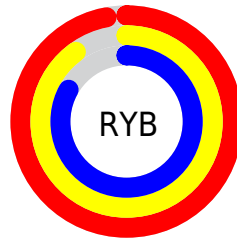
The XYZ color **76.8971, 77.8389, 73.2589** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.6479, 80.1276, 99.5810**, and the grayscale version is **74.9055, 78.8064, 85.8202**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5090, 41.7574, 37.7705** is the 20% darker color. If you saturate the color by 10%, you get **69.8618, 68.3785, 56.6994**, and if you desaturate by 10%, it is **84.8297, 88.3295, 92.4708**.

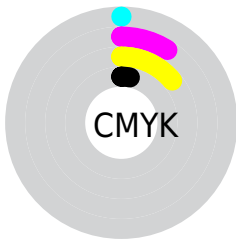
# Distribution



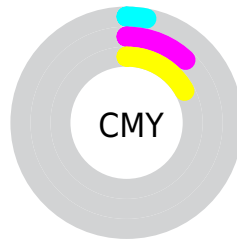
- Red (97%)
- Green (88%)
- Blue (83%)



- Red (97%)
- Yellow (90%)
- Blue (83%)



- Cyan (0%)
- Magenta (9%)
- Yellow (14%)
- Black (3%)




- Cyan (3%)
- Magenta (12%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8971, 77.8389, 73.2589 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 76.8971, 77.8389, 73.2589 by changing the saturation by 10% instead.




 76.8971, 77.8389,  
73.2589

 76.8971, 77.8389,  
73.2589


473.3104,  
487.6195, 491.0064

 57.4681, 57.9416,  
53.6946


127.9678,  
130.3230, 125.5690

 41.6227, 41.7617,  
37.9660


160.3402,  
163.6786, 159.1519

 28.9958, 28.9148,  
25.6547


197.7578,  
202.2892, 198.2447

 19.2219, 19.0164,  
16.3420

240.5859,  
246.5391, 243.2659

 11.9357, 11.6821,  
9.6095

289.1898,  
296.8126, 294.6342

 6.7718, 6.5276,  
5.0387

343.9350,

 3.3649, 3.1685,

353.4943, 352.7680

2.2108

405.1867,  
416.9685, 418.0859

■ 1.3495, 1.2203,  
0.6806

■ 0.2198, 0.0782,  
0.0000

■ 76.8971, 77.8389,  
73.2589

■ 76.8971, 77.8389,  
73.2589

■ 69.8618, 68.3785,  
56.6994

■ 84.8297, 88.3295,  
92.4708

■ 63.6841, 59.9060,  
42.6699

■ 92.1681, 98.5143,  
108.7651

■ 58.3309, 52.3914,  
31.0455

■ 53.7641, 45.7992,  
21.6887

■ 49.9425, 40.0914,  
14.4479

■ 46.8203, 35.2271,  
9.1527

■ 44.3460, 31.1615,  
5.6057

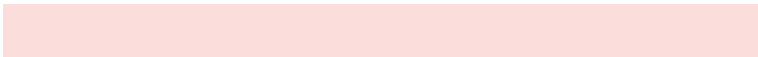
■ 42.4588, 27.8444,  
3.5666

■ 41.5844, 26.2269,  
2.8706

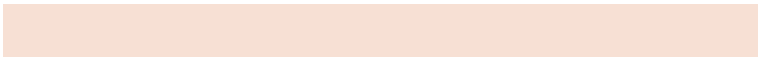
# Harmonies

## Analogous

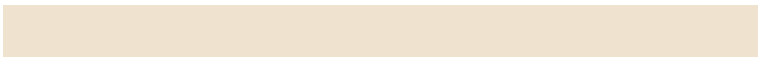
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6752, 77.8389, 78.5860



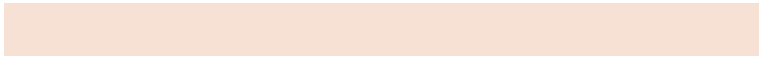
76.8971, 77.8389, 73.2589



74.3700, 77.8389, 71.0109

# Triad

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



76.8971, 77.8389, 73.2589



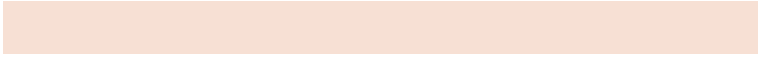
69.0151, 77.8389, 83.6532



76.2135, 77.8389, 98.6085

# Complementary

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



76.8971, 77.8389, 73.2589



73.6479, 80.1276, 99.5810

# 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.



73.5984, 77.8389, 100.1634



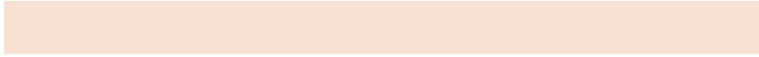
76.8971, 77.8389, 73.2589



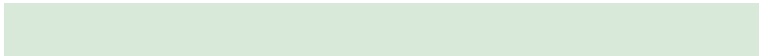
69.4822, 77.8389, 91.2352

# Square

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



76.8971, 77.8389, 73.2589



69.8529, 77.8389, 76.7803



71.1445, 77.8389, 97.3913

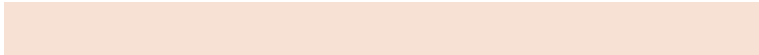


78.2739, 77.8389, 93.2601



# Rectangle

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



76.8971, 77.8389, 73.2589



72.6157, 77.8389, 71.4564



71.1445, 77.8389, 97.3913



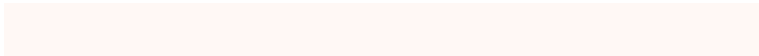
75.3684, 77.8389, 99.6053

# Sweetspot

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



76.8992, 77.8424, 73.2606



91.3501, 95.1588, 99.7790



76.9458, 72.8797, 88.8626



19.4076, 20.1774, 21.0011



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

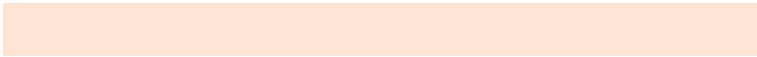


# Same Dimension

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



76.8992, 77.8424, 73.2606



80.4171, 80.6709, 73.3887



81.7470, 87.5378, 74.8765



16.9638, 17.4117, 17.2643



22.1109, 14.1074, 1.5576



2.0352, 1.4236, 0.1675

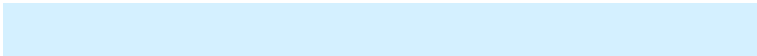


# Inverse Universe

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



73.6479, 80.1276, 99.5810



76.2994, 83.5628, 106.7156



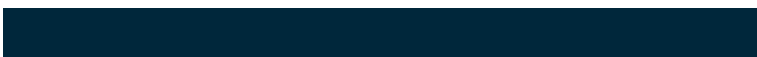
68.9691, 70.7700, 98.0214



16.4903, 17.7448, 21.0985



15.8758, 17.5453, 49.0879

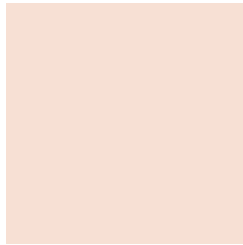


1.4907, 1.7328, 4.3461



# Previews

## White Background



This preview shows how the XYZ color 76.8971, 77.8389, 73.2589 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

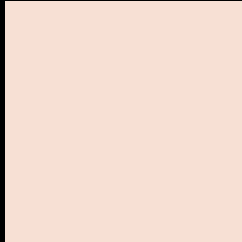
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.8971, 77.8389, 73.2589 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

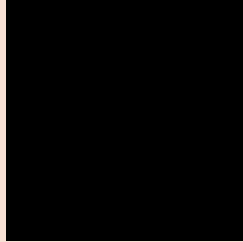
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.8971, 77.8389, 73.2589**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.8971, 77.8389, 73.2589.



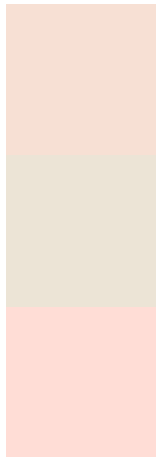
This preview shows how white text looks on a background with the XYZ color 76.8971, 77.8389,

73.2589.

# 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

76.8971, 77.8389, 73.2589

### Protanopia

74.4731, 78.1747, 74.7824

### Deuteranopia

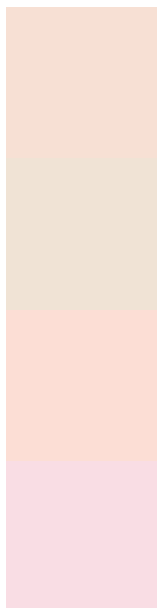
79.2341, 77.8279, 74.4645



## Tritanopia

80.3036, 77.6248, 90.8714

# Trichromacy



## Original Color

76.8971, 77.8389, 73.2589

## Protanomaly

75.4145, 78.2675, 74.0832

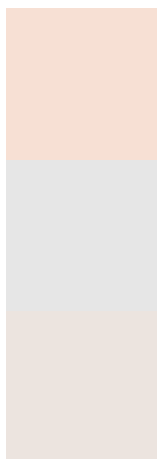
## Deuteranomaly

78.2764, 77.7421, 73.8309

## Tritanomaly

78.9270, 77.4541, 84.1890

# Monochromacy



## Original Color

76.8971, 77.8389, 73.2589

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.6548, 78.6474, 81.0051

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.8971, 77.8389, 73.2589 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, 224, 212)` looks like.

```
.text, #text, p{  
    color:rgb(247, 224, 212)  
}
```

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, 224, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 224, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 76.8971, 77.8389, 73.2589 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, 224, 212) }
```



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

```
.border{ border-color:rgb(247, 224, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 224, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 224, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 224, 212);  
box-shadow:4px 4px 4px 4px rgb(247, 224,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.8971, 77.8389, 73.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 224, 212) }
```

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

```
.background{ background-color: rgb(247,  
224, 212) }
```

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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