

# Converting Colors

XYZ(80.9689, 77.0909, 73.6986)

Have a look what the booklet for  
XYZ(80.9689, 77.0909, 73.6986)  
contains.

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# Color

**XYZ(78.0631, 75.6898,  
73.4460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD9D5
RGB	255, 217, 213
RGB Percent	100%, 85%, 84%
CMY	0.0000, 0.1490, 0.1647
CMYK	0.00, 0.15, 0.16, 0.00
HSL	6°, 100%, 92%
HSV	6°, 16%, 100%
XYZ	78.0631, 75.6898, 73.4460
YIQ	227.9060, 23.9320, 6.8120

# Conversions

## Conversions Part 2

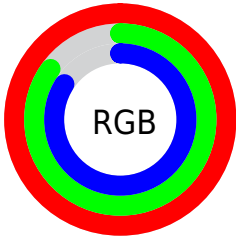
Format	Color
R <sub>Y</sub> B	255, 217, 213
Decimal	16767445
CIE Lab	89.72, 12.58, 6.87
CIE LCh	90, 14.328, 28.634
Yxy	75.6898, 0.3436, 0.3331
Android (android.graphics.Color)	4294957525 (0xFFFFD9D5)
YUV	227.9060, -7.3487, 23.7614
Hunter-Lab	86.9999, 7.9144, 10.8468

# Details

The XYZ color **78.0631, 75.6898, 73.4460** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **79.9868, 90.3579, 107.8328**, and the grayscale version is **73.7154, 77.5544, 84.4567**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3806, 40.3150, 37.8956** is the 20% darker color. If you saturate the color by 10%, you get **69.5413, 63.4252, 55.8728**, and if you desaturate by 10%, it is **87.9285, 89.8267, 93.9798**.

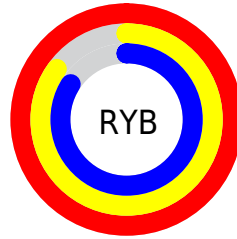
# Distribution



Red (100%)

Green (85%)

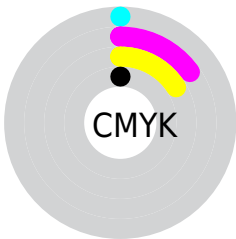
Blue (84%)



Red (100%)

Yellow (85%)

Blue (84%)

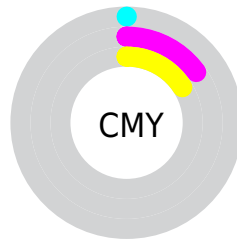


Cyan (0%)

Magenta (15%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0631, 75.6898, 73.4460 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 78.0631, 75.6898, 73.4460 by changing the saturation by 10% instead.




 78.0631, 75.6898,  
73.4460

 78.0631, 75.6898,  
73.4460


477.2176,  
480.2852, 491.6713

 58.4288, 56.1782,  
53.8467


129.6040,  
127.2883, 125.8369

 42.3981, 40.3458,  
38.0868


162.2412,  
160.1440, 159.4656

 29.6056, 27.8083,  
25.7477


199.9435,  
198.2165, 198.6079

 19.6860, 18.1812,  
16.4109

243.0761,  
241.8903, 243.6822

 12.2739, 11.0801,  
9.6579

292.0045,  
291.5496, 295.1072

 7.0040, 6.1208,  
5.0701

347.0940,

 3.5110, 2.9187,

347.5789, 353.3014

2.2290

408.7099,  
410.3626, 418.6832

■ 1.4294, 1.0894,  
0.6910

■ 0.2770, 0.0000,  
0.0000

■ 78.0631, 75.6898,  
73.4460

■ 78.0631, 75.6898,  
73.4460

■ 69.5413, 63.4252,  
55.8728

■ 87.9285, 89.8267,  
93.9798

■ 62.2999, 52.9451,  
41.1190

95.0500, 100.0000,  
108.9000

■ 56.2783, 44.1691,  
29.0392

■ 51.4091, 37.0072,  
19.4729

■ 47.6180, 31.3606,  
12.2426

■ 44.8225, 27.1199,  
7.1474

■ 42.9273, 24.1611,  
3.9526

■ 41.8182, 22.3376,  
2.3660

■ 41.5732, 21.9263,  
2.0411

# Harmonies

## Analogous

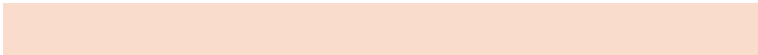
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9408, 75.6898, 82.8775



78.0631, 75.6898, 73.4460



75.5313, 75.6898, 66.9071

# Triad

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



78.0631, 75.6898, 73.4460



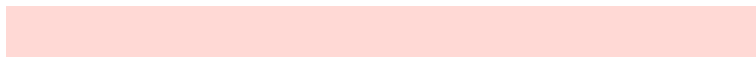
66.3005, 75.6898, 72.7054



71.7792, 75.6898, 103.4102

# Complementary

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



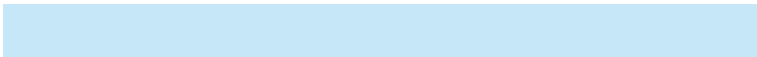
78.0631, 75.6898, 73.4460



79.9868, 90.3579, 107.8328

# 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.



68.4661, 75.6898, 100.1473



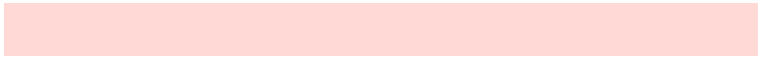
78.0631, 75.6898, 73.4460



65.3675, 75.6898, 81.9509

# Square

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



78.0631, 75.6898, 73.4460



68.7375, 75.6898, 66.5048



66.1474, 75.6898, 92.0824



75.2422, 75.6898, 100.6758



# Rectangle

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



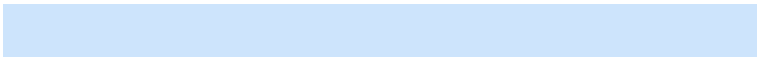
78.0631, 75.6898, 73.4460



73.2866, 75.6898, 64.7898



66.1474, 75.6898, 92.0824



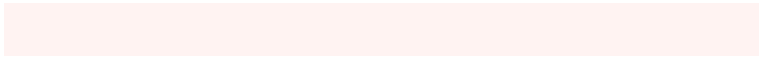
70.6118, 75.6898, 102.9738

# Sweetspot

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



78.0649, 75.6930, 73.4476



89.4947, 92.0661, 97.2551



82.5262, 75.8459, 101.9708



18.9945, 19.4757, 20.4797



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

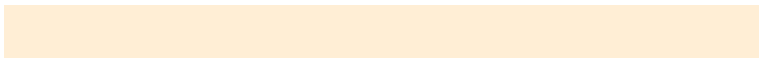
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0649, 75.6930, 73.4476



74.9059, 71.1533, 66.9127



83.6798, 86.9229, 75.3192



18.1486, 18.2655, 18.7134



21.7689, 11.5491, 1.0818

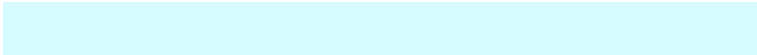


2.1641, 1.2136, 0.1202

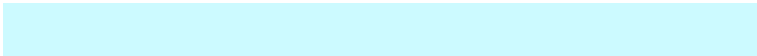


# Inverse Universe

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



79.9868, 90.3579, 107.8328



77.1801, 88.5138, 107.6248



73.9274, 78.2392, 105.8130



18.3981, 20.1678, 23.1730



24.3778, 33.6652, 54.6478

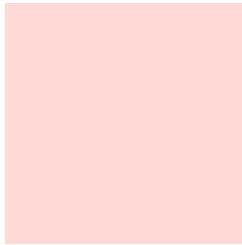


2.4149, 3.3604, 5.3346



# Previews

## White Background



This preview shows how the XYZ color 78.0631, 75.6898, 73.4460 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

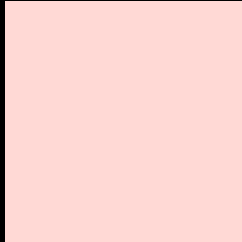
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.0631, 75.6898, 73.4460 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

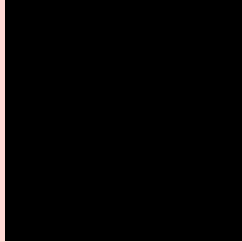
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.0631, 75.6898, 73.4460**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.0631, 75.6898, 73.4460.



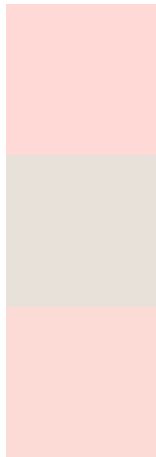
This preview shows how white text looks on a background with the XYZ color 78.0631, 75.6898,

73.4460.

# 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

78.0631, 75.6898, 73.4460

### Protanopia

72.7283, 76.0160, 76.4850

### Deuteranopia

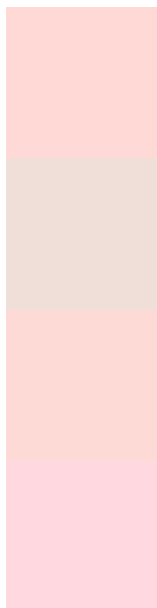
77.2265, 75.6424, 73.4809



## Tritanopia

79.9642, 75.6304, 85.9849

# Trichromacy



## Original Color

78.0631, 75.6898, 73.4460

## Protanomaly

74.4511, 75.7257, 75.6583

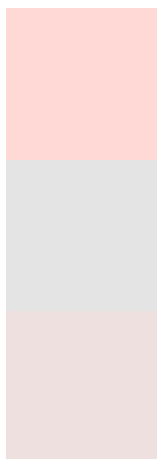
## Deuteranomaly

77.5897, 75.8296, 73.4979

## Tritanomaly

79.2504, 75.7536, 80.9660

# Monochromacy



## Original Color

78.0631, 75.6898, 73.4460

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

75.2348, 76.8162, 80.6737

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.0631, 75.6898, 73.4460 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, 217, 213) looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 213)  
}
```

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, 217, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 78.0631, 75.6898, 73.4460 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, 217, 213) }
```



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

```
.border{ border-color:rgb(255, 217, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.0631, 75.6898, 73.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 213) }
```

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

```
.background{ background-color: rgb(255,  
217, 213) }
```

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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