

# Converting Colors

XYZ(86.3970, 78.3146, 75.2140)

Have a look what the booklet for  
XYZ(86.3970, 78.3146, 75.2140)  
contains.

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# Color

**XYZ(77.4289, 73.8064,  
75.1309)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD5D8
RGB	255, 213, 216
RGB Percent	100%, 84%, 85%
CMY	0.0000, 0.1647, 0.1529
CMYK	0.00, 0.16, 0.15, 0.00
HSL	356°, 100%, 92%
HSV	356°, 16%, 100%
XYZ	77.4289, 73.8064, 75.1309
YIQ	225.9000, 24.0690, 9.8370

# Conversions

## Conversions Part 2

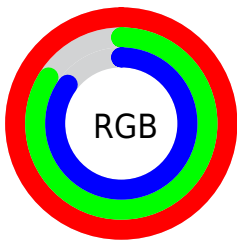
Format	Color
R <sub>Y</sub> B	255, 213, 216
Decimal	16766424
CIE Lab	88.83, 15.12, 4.01
CIE LCh	89, 15.638, 14.860
Yxy	73.8064, 0.3421, 0.3260
Android (android.graphics.Color)	4294956504 (0xFFFFD5D8)
YUV	225.9000, -4.8807, 25.5207
Hunter-Lab	85.9107, 10.5335, 8.2869

# Details

The XYZ color **77.4289, 73.8064, 75.1309** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.7738, 92.6956, 105.7342**, and the grayscale version is **72.2401, 76.0022, 82.7663**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9486, 39.0327, 39.0413** is the 20% darker color. If you saturate the color by 10%, you get **68.6679, 60.8358, 58.1788**, and if you desaturate by 10%, it is **87.6432, 88.9767, 94.7461**.

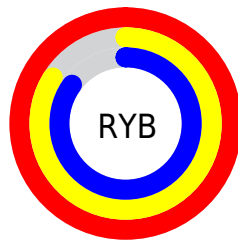
# Distribution



Red (100%)

Green (84%)

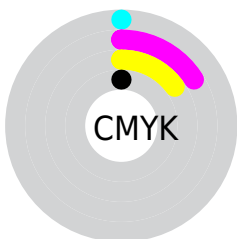
Blue (85%)



Red (100%)

Yellow (84%)

Blue (85%)

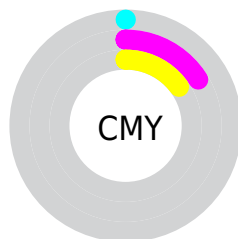


Cyan (0%)

Magenta (16%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4289, 73.8064, 75.1309 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 77.4289, 73.8064, 75.1309 by changing the saturation by 10% instead.




 77.4289, 73.8064,  
75.1309

 77.4289, 73.8064,  
75.1309


475.0947,  
473.8049, 497.6348

 57.9061, 54.6356,  
55.2178


128.7144,  
124.6213, 128.2464

 41.9761, 39.1100,  
39.1763


161.2078,  
157.0342, 162.2859

 29.2736, 26.8453,  
26.5880


198.7554,  
194.6300, 201.8713

 19.4332, 17.4571,  
17.0344

241.7226,  
237.7930, 247.4210

 12.0896, 10.5609,  
10.0968

290.4748,  
286.9075, 299.3537

 6.8774, 5.7724,  
5.3567

345.3773,

 3.4312, 2.7072,

342.3581, 358.0879

2.3957

406.7955,  
404.5291, 424.0420

■ 1.3857, 0.9809,  
0.7841

■ 0.2460, 0.0000,  
0.0000

■ 77.4289, 73.8064,  
75.1309

■ 77.4289, 73.8064,  
75.1309

■ 68.6679, 60.8358,  
58.1788

■ 87.6432, 88.9767,  
94.7461

■ 61.2890, 49.9539,  
43.7706

95.0500, 100.0000,  
108.9000

■ 55.2232, 41.0543,  
31.7848

■ 50.3933, 34.0175,  
22.0884

■ 46.7141, 28.7112,  
14.5352

■ 44.0893, 24.9856,  
8.9625

■ 42.4074, 22.6655,  
5.1839

■ 41.5304, 21.5326,  
2.9773

■ 41.3507, 21.3043,  
2.5131

# Harmonies

## Analogous

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



77.4190, 73.8064, 85.9348



77.4289, 73.8064, 75.1309



75.4413, 73.8064, 66.5285

# Triad

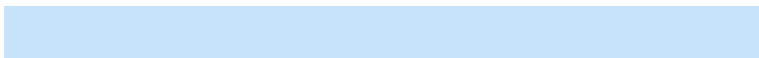
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4289, 73.8064, 75.1309



65.1375, 73.8064, 66.4649



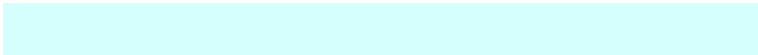
68.2656, 73.8064, 102.2268

# Complementary

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



77.4289, 73.8064, 75.1309



80.7738, 92.6956, 105.7342

# 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.



65.1135, 73.8064, 95.9928



77.4289, 73.8064, 75.1309



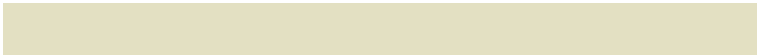
63.3523, 73.8064, 75.0366

# Square

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



77.4289, 73.8064, 75.1309



68.2994, 73.8064, 61.8397



63.3436, 73.8064, 85.8317



72.0353, 73.8064, 102.2578



# Rectangle

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



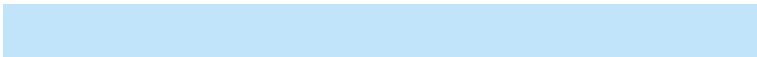
77.4289, 73.8064, 75.1309



73.2908, 73.8064, 62.9195



63.3436, 73.8064, 85.8317



67.1017, 73.8064, 100.7640

# Sweetspot

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



77.4307, 73.8096, 75.1324



89.2683, 91.3939, 97.8561



81.8100, 75.4139, 104.8522



18.9397, 19.3131, 20.6250



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

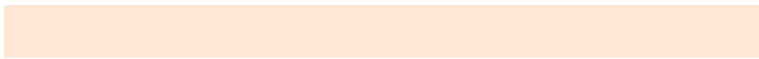
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4307, 73.8096, 75.1324



74.1735, 68.9820, 68.8466



81.6882, 82.9388, 74.6583



18.0619, 18.0081, 18.9433



21.6256, 11.1395, 1.4132



2.1230, 1.0916, 0.2294



# Inverse Universe

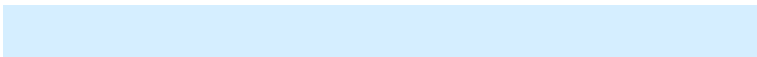
The Inverse Universe completely reimagines the original color for something new.



77.4307, 73.8096, 75.1324



74.1735, 68.9820, 68.8466



75.9223, 82.2269, 106.4776



18.0619, 18.0081, 18.9433



21.6256, 11.1395, 1.4132

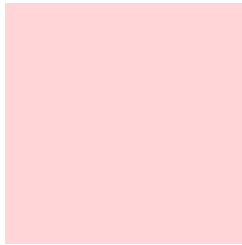


2.1230, 1.0916, 0.2294



# Previews

## White Background



This preview shows how the XYZ color 77.4289, 73.8064, 75.1309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

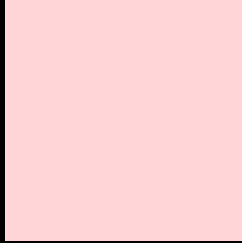
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4289, 73.8064, 75.1309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

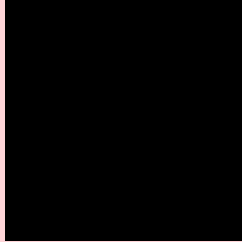
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.4289, 73.8064, 75.1309**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.4289, 73.8064, 75.1309.



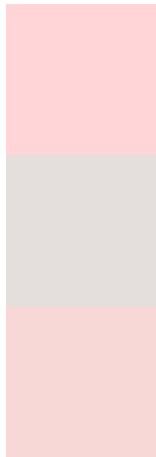
This preview shows how white text looks on a background with the XYZ color 77.4289, 73.8064,



# 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

77.4289, 73.8064, 75.1309

### Protanopia

71.1673, 73.9570, 78.9308

### Deuteranopia

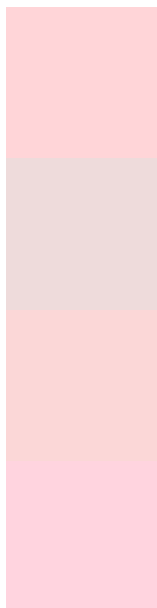
75.5330, 73.9745, 74.5875



## **Tritanopia**

78.6486, 73.8930, 82.7906

# Trichromacy



## Original Color

77.4289, 73.8064, 75.1309

## Protanomaly

73.3776, 73.9547, 77.4251

## Deuteranomaly

76.3498, 74.0164, 74.5525

## Tritanomaly

78.1028, 73.6747, 79.9162

# Monochromacy



## Original Color

77.4289, 73.8064, 75.1309

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

73.9663, 74.9914, 79.6836

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4289, 73.8064, 75.1309 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, 213, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 216)  
}
```

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, 213, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4289, 73.8064, 75.1309 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, 213, 216) }
```



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

```
.border{ border-color:rgb(255, 213, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4289, 73.8064, 75.1309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 216) }
```

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

```
.background{ background-color: rgb(255,  
213, 216) }
```

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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