

# Converting Colors

XYZ(83.8792, 77.2280, 77.4284)

Have a look what the booklet for  
XYZ(83.8792, 77.2280, 77.4284)  
contains.

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# Color

**XYZ(77.8204, 73.9630,  
77.1925)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD5DB
RGB	255, 213, 219
RGB Percent	100%, 84%, 86%
CMY	0.0000, 0.1647, 0.1412
CMYK	0.00, 0.16, 0.14, 0.00
HSL	351°, 100%, 92%
HSV	351°, 16%, 100%
XYZ	77.8204, 73.9630, 77.1925
YIQ	226.2420, 23.1060, 10.7700

# Conversions

## Conversions Part 2

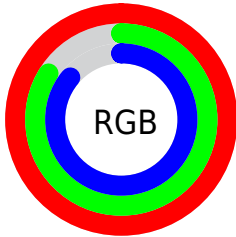
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 213, 219
Decimal	16766427
CIE Lab	88.90, 15.58, 2.54
CIE LCh	89, 15.787, 9.245
Yxy	73.9630, 0.3399, 0.3230
Android (android.graphics.Color)	4294956507 (0xFFFFD5DB)
YUV	226.2420, -3.5703, 25.2208
Hunter-Lab	86.0017, 11.0162, 6.9844

# Details

The XYZ color **77.8204, 73.9630, 77.1925** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.3020, 92.5069, 103.2497**, and the grayscale version is **72.4787, 76.2532, 83.0398**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2164, 39.1398, 40.4517** is the 20% darker color. If you saturate the color by 10%, you get **69.2122, 61.0535, 61.0453**, and if you desaturate by 10%, it is **87.8185, 89.0468, 95.6694**.

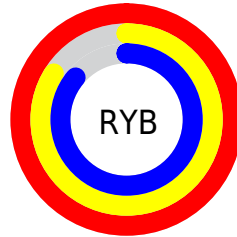
# Distribution



Red (100%)

Green (84%)

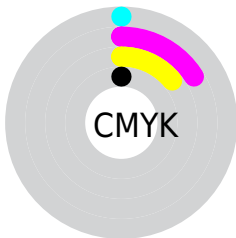
Blue (86%)



Red (100%)

Yellow (84%)

Blue (86%)

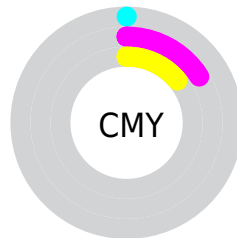


Cyan (0%)

Magenta (16%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8204, 73.9630, 77.1925 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 77.8204, 73.9630, 77.1925 by changing the saturation by 10% instead.



77.8204, 73.9630,  
77.1925

77.8204, 73.9630,  
77.1925

476.4058,  
474.3457, 504.8752

58.2287, 54.7638,  
56.8984

129.2636,  
124.8434, 131.1867

42.2365, 39.2126,  
40.5148

161.8459,  
157.2933, 165.7238

29.4785, 26.9252,  
27.6233

199.4890,  
194.9288, 205.8457

19.5892, 17.5170,  
17.8054

242.5584,  
238.1345, 251.9708

12.2033, 10.6038,  
10.6423

291.4195,  
287.2946, 304.5178

6.9555, 5.8011,  
5.7158

346.4375,

3.4803, 2.7245,

342.7936, 363.9052

2.6070

407.9778,  
405.0158, 430.5515

■ 1.4126, 0.9897,  
0.8961

■ 0.2652, 0.0000,  
0.0000

■ 77.8204, 73.9630,  
77.1925

■ 77.8204, 73.9630,  
77.1925

■ 69.2122, 61.0535,  
61.0453

■ 87.8185, 89.0468,  
95.6694

■ 61.9271, 50.2091,  
47.1304

95.0500, 100.0000,  
108.9000

■ 55.9004, 41.3252,  
35.3507

■ 51.0602, 34.2842,  
25.5998

■ 47.3269, 28.9563,  
17.7622

■ 44.6112, 25.1944,  
11.7105

■ 42.8095, 22.8264,  
7.3015

■ 41.7947, 21.6383,  
4.3690

■ 41.5647, 21.3899,  
3.6396

# Harmonies

## Analogous

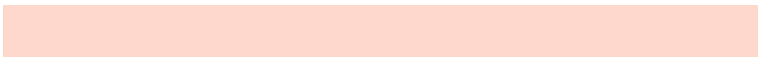
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4121, 73.9630, 88.2394



77.8204, 73.9630, 77.1925



76.1575, 73.9630, 67.9155

# Triad

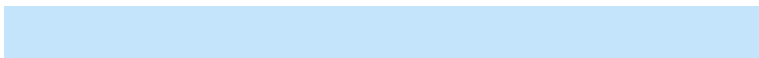
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8204, 73.9630, 77.1925



65.7435, 73.9630, 65.2811



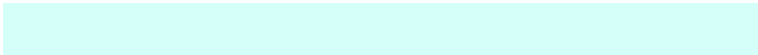
67.7225, 73.9630, 101.9053

# Complementary

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



77.8204, 73.9630, 77.1925



80.3020, 92.5069, 103.2497

# 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.



64.7501, 73.9630, 94.6241



77.8204, 73.9630, 77.1925



63.6367, 73.9630, 73.2892

# Square

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



77.8204, 73.9630, 77.1925



69.1233, 73.9630, 61.4612



63.2797, 73.9630, 83.9688



71.4892, 73.9630, 103.1912



# Rectangle

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



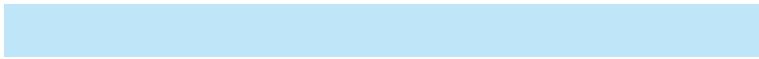
77.8204, 73.9630, 77.1925



74.1325, 73.9630, 63.7366



63.2797, 73.9630, 83.9688



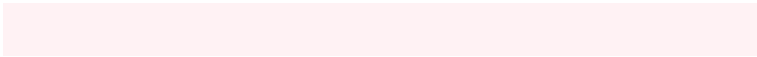
66.6012, 73.9630, 100.0482

# Sweetspot

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



77.8222, 73.9662, 77.1940



89.4064, 91.4491, 98.5831



80.8062, 74.8964, 104.8053



18.9731, 19.3265, 20.8010



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

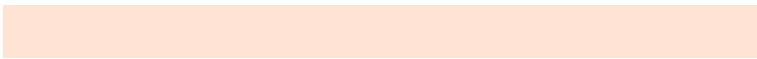
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8222, 73.9662, 77.1940



74.6260, 69.1630, 71.2294



80.9131, 81.3885, 74.3999



18.1150, 18.0293, 19.2227



21.7502, 11.1894, 2.0688



2.1480, 1.1016, 0.3608



# Inverse Universe

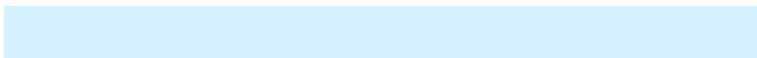
The Inverse Universe completely reimagines the original color for something new.



77.8222, 73.9662, 77.1940



74.6260, 69.1630, 71.2294



76.7415, 83.8653, 106.7507



18.1150, 18.0293, 19.2227



21.7502, 11.1894, 2.0688

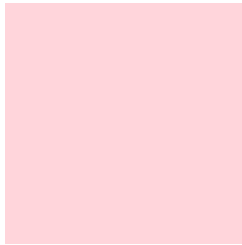


2.1480, 1.1016, 0.3608



# Previews

## White Background



This preview shows how the XYZ color 77.8204, 73.9630, 77.1925 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

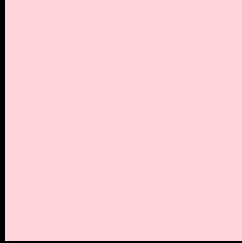
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.8204, 73.9630, 77.1925 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

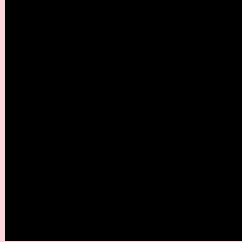
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.8204, 73.9630, 77.1925**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.8204, 73.9630, 77.1925.



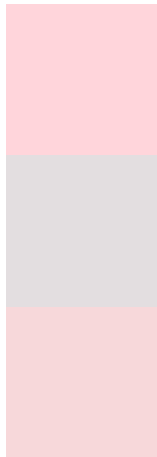
This preview shows how white text looks on a background with the XYZ color 77.8204, 73.9630,



# 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

77.8204, 73.9630, 77.1925

### Protanopia

71.2544, 73.9553, 81.0403

### Deuteranopia

75.5685, 73.9478, 76.6201



## Tritanopia

78.7871, 73.9484, 83.5197

# Trichromacy



## Original Color

77.8204, 73.9630, 77.1925

## Protanomaly

73.4414, 73.9415, 79.5086

## Deuteranomaly

76.3797, 73.9868, 76.5849

## Tritanomaly

78.3741, 73.7832, 81.3450

# Monochromacy



## Original Color

77.8204, 73.9630, 77.1925

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

74.1008, 75.0451, 80.3917

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.8204, 73.9630, 77.1925 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 77.8204, 73.9630, 77.1925 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, 219) }
```



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

```
.border{ border-color:rgb(255, 213, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.8204, 73.9630, 77.1925 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, 219) }
```

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

```
.background{ background-color: rgb(255,  
213, 219) }
```

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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