

# Converting Colors

XYZ(78.4436, 72.8739, 80.1717)

Have a look what the booklet for  
XYZ(78.4436, 72.8739, 80.1717)  
contains.

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# Color

**XYZ(77.4950, 72.2427,  
80.3808)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD1E0
RGB	255, 209, 224
RGB Percent	100%, 82%, 88%
CMY	0.0000, 0.1804, 0.1216
CMYK	0.00, 0.18, 0.12, 0.00
HSL	340°, 100%, 91%
HSV	340°, 18%, 100%
XYZ	77.4950, 72.2427, 80.3808
YIQ	224.4640, 22.6010, 14.4170

# Conversions

## Conversions Part 2

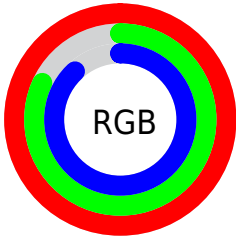
Format	Color
R <sub>Y</sub> B	255, 209, 224
Decimal	16765408
CIE Lab	88.09, 18.46, -1.30
CIE LCh	88, 18.508, 355.975
Yxy	72.2427, 0.3368, 0.3139
Android (android.graphics.Color)	4294955488 (0xFFFFD1E0)
YUV	224.4640, -0.2288, 26.7801
Hunter-Lab	84.9957, 14.0052, 3.4262

# Details

The XYZ color **77.4950, 72.2427, 80.3808** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.7850, 91.3677, 95.9776**, and the grayscale version is **71.1752, 74.8818, 81.5463**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0057, 37.9815, 42.6533** is the 20% darker color. If you saturate the color by 10%, you get **69.5179, 59.8320, 66.7978**, and if you desaturate by 10%, it is **86.7123, 86.7562, 95.5415**.

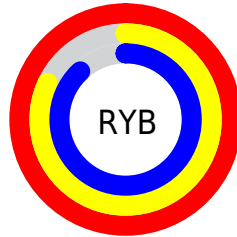
# Distribution



Red (100%)

Green (82%)

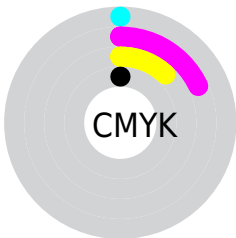
Blue (88%)



Red (100%)

Yellow (82%)

Blue (88%)

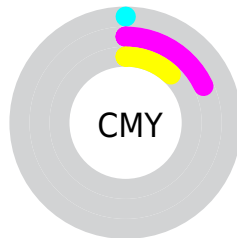


Cyan (0%)

Magenta (18%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4950, 72.2427, 80.3808 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 77.4950, 72.2427, 80.3808 by changing the saturation by 10% instead.




 77.4950, 72.2427,  
80.3808

 77.4950, 72.2427,  
80.3808


475.3162,  
468.3859, 515.9558

 57.9606, 53.3570,  
59.5038

128.8071,  
122.4015, 135.7172

 42.0201, 38.0878,  
42.5961


161.3155,  
154.4434, 171.0137

 29.3082, 26.0508,  
29.2393


198.8793,  
191.6394, 211.9537

 19.4595, 16.8617,  
19.0148

241.8638,  
234.3740, 258.9558

 12.1088, 10.1359,  
11.5040

290.6344,  
283.0316, 312.4385

 6.8905, 5.4892,  
6.2885

345.5564,

 3.4395, 2.5370,

337.9965, 372.8204

2.9497

406.9952,  
399.6531, 440.5200

■ 1.3902, 0.8951,  
1.0690

■ 0.2492, 0.0000,  
0.0000

■ 77.4950, 72.2427,  
80.3808

■ 77.4950, 72.2427,  
80.3808

■ 69.5179, 59.8320,  
66.7978

■ 86.7123, 86.7562,  
95.5415

■ 62.7216, 49.4172,  
54.7355

95.0500, 100.0000,  
108.9000

■ 57.0490, 40.8957,  
44.1399

■ 52.4363, 34.1518,  
34.9517

■ 48.8127, 29.0574,  
27.1073

■ 46.0985, 25.4666,  
20.5378

■ 44.2005, 23.2077,  
15.1663

■ 42.9947, 22.0488,  
10.9023

■ 42.8067, 21.8867,  
10.1799

# Harmonies

## Analogous

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



75.9510, 72.2427, 93.0791



77.4950, 72.2427, 80.3808



76.5908, 72.2427, 68.4752

# Triad

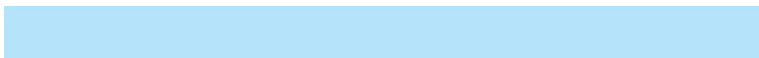
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4950, 72.2427, 80.3808



65.0095, 72.2427, 58.7470



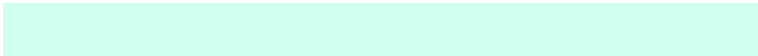
64.0184, 72.2427, 100.6036

# Complementary

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



77.4950, 72.2427, 80.3808



77.7850, 91.3677, 95.9776

# 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.



61.3049, 72.2427, 89.8078



77.4950, 72.2427, 80.3808



61.8597, 72.2427, 65.8127

# Square

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



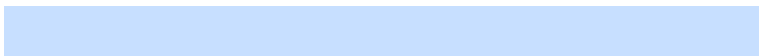
77.4950, 72.2427, 80.3808



69.2628, 72.2427, 56.7948



60.5317, 72.2427, 76.9640



68.0697, 72.2427, 105.5203



# Rectangle

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



77.4950, 72.2427, 80.3808



74.7412, 72.2427, 62.4264



60.5317, 72.2427, 76.9640



62.9264, 72.2427, 97.4890

# Sweetspot

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



77.4967, 72.2457, 80.3823



89.7637, 91.5920, 100.4646



76.6747, 71.2912, 104.3271



19.0597, 19.3611, 21.2569



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.



77.4967, 72.2457, 80.3823



74.1896, 67.0805, 74.8131



77.4776, 75.3203, 70.7802



18.2535, 18.0847, 19.9521



22.4280, 11.4605, 5.6384



2.2315, 1.1350, 0.8005



# Inverse Universe

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



77.4967, 72.2457, 80.3823



74.1896, 67.0805, 74.8131



77.7093, 87.5024, 107.4017



18.2535, 18.0847, 19.9521



22.4280, 11.4605, 5.6384



2.2315, 1.1350, 0.8005



# Previews

## White Background



This preview shows how the XYZ color 77.4950, 72.2427, 80.3808 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

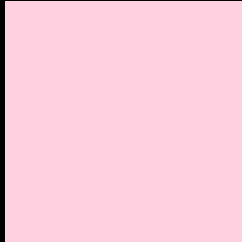
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4950, 72.2427, 80.3808 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

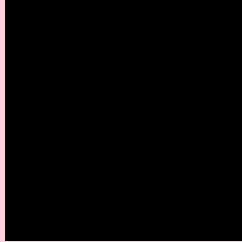
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.4950, 72.2427, 80.3808**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.4950, 72.2427, 80.3808.



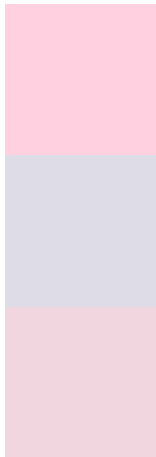
This preview shows how white text looks on a background with the XYZ color 77.4950, 72.2427,

80.3808.

# 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

77.4950, 72.2427, 80.3808

### Protanopia

70.0003, 72.4292, 85.1537

### Deuteranopia

73.9838, 72.2981, 79.8676



## Tritanopia

77.6311, 72.2972, 81.0973

# Trichromacy



## Original Color

77.4950, 72.2427, 80.3808

## Protanomaly

72.4911, 72.2056, 83.5152

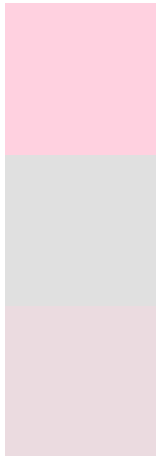
## Deuteranomaly

75.2205, 72.1888, 79.7813

## Tritanomaly

77.6311, 72.2972, 81.0973

# Monochromacy



## Original Color

77.4950, 72.2427, 80.3808

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

73.0470, 73.7070, 80.8979

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4950, 72.2427, 80.3808 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, 209, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 224)  
}
```

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, 209, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4950, 72.2427, 80.3808 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, 209, 224) }
```



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

```
.border{ border-color:rgb(255, 209, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4950, 72.2427, 80.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 224) }
```

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

```
.background{ background-color: rgb(255,  
209, 224) }
```

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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