

# Converting Colors

XYZ(77.1445, 71.4645, 84.8125)

Have a look what the booklet for  
XYZ(77.1445, 71.4645, 84.8125)  
contains.

|  |    |
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# Color

**XYZ(77.3468, 71.7076,  
84.6272)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FDD0E6                     |
| RGB         | 253, 208, 230              |
| RGB Percent | 99%, 82%, 90%              |
| CMY         | 0.0078, 0.1843, 0.0980     |
| CMYK        | 0.00, 0.18, 0.09, 0.01     |
| HSL         | 331°, 92%, 90%             |
| HSV         | 331°, 18%, 99%             |
| XYZ         | 77.3468, 71.7076, 84.6272  |
| YIQ         | 223.9630, 19.7580, 16.3820 |

# Conversions

## Conversions Part 2

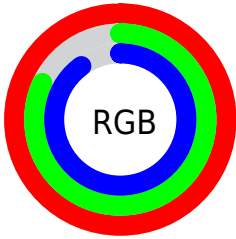
| Format                              | Color                        |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 253, 208, 230                |
| Decimal                             | 16634086                     |
| CIE Lab                             | 87.83, 19.27, -4.87          |
| CIE LCh                             | 88, 19.881, 345.815          |
| Yxy                                 | 71.7076, 0.3310,<br>0.3069   |
| Android<br>(android.graphics.Color) | 4294824166<br>(0xFFFD0E6)    |
| YUV                                 | 223.9630, 2.9762,<br>25.4654 |
| Hunter-Lab                          | 84.6803, 14.8508,<br>0.0234  |

# Details

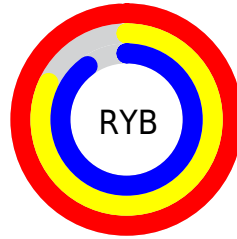
The XYZ color **77.3468, 71.7076, 84.6272** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.5644, 89.4319, 88.8850**, and the grayscale version is **70.7964, 74.4833, 81.1123**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8940, 37.6134, 45.6095** is the 20% darker color. If you saturate the color by 10%, you get **69.9146, 59.6420, 73.5198**, and if you desaturate by 10%, it is **85.9017, 85.8012, 96.7754**.

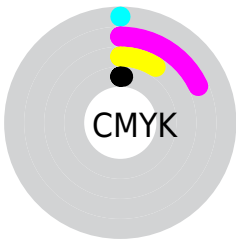
# Distribution



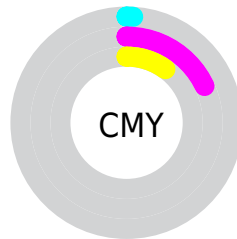
- Red (99%)
- Green (82%)
- Blue (90%)



- Red (99%)
- Yellow (82%)
- Blue (90%)



- Cyan (0%)
- Magenta (18%)
- Yellow (9%)
- Black (1%)




- Cyan (1%)
- Magenta (18%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3468, 71.7076, 84.6272 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 77.3468, 71.7076, 84.6272 by changing the saturation by 10% instead.




 77.3468, 71.7076,  
84.6272

 77.3468, 71.7076,  
84.6272


474.8195,  
466.5232, 530.5061

 57.8385, 52.9199,  
62.9850


128.5992,  
121.6407, 141.7217

 41.9216, 37.7388,  
45.3882

161.0739,  
153.5549, 178.0112

 29.2307, 25.7800,  
31.4181


198.6015,  
190.6133, 220.0201

 19.4006, 16.6591,  
20.6563

241.5472,  
233.2004, 268.1670

 12.0658, 9.9918,  
12.6842

290.2766,  
281.7005, 322.8706

 6.8610, 5.3935,  
7.0833

345.1548,

 3.4209, 2.4799,

336.4981, 384.5492

3.4350

406.5473,  
397.9776, 453.6216

■ 1.3801, 0.8666,  
1.3208

■ 0.2419, 0.0000,  
0.0788

■ 77.3468, 71.7076,  
84.6272

■ 77.3468, 71.7076,  
84.6272

■ 69.9146, 59.6420,  
73.5198

■ 85.9017, 85.8012,  
96.7754

■ 63.5496, 49.5005,  
63.4177

94.3184, 99.6228,  
108.8658

■ 58.2004, 41.1846,  
54.2899

■ 53.8090, 34.5830,  
46.1017

■ 50.3110, 29.5721,  
38.8156

■ 47.6334, 26.0115,  
32.3908

■ 45.6908, 23.7359,  
26.7814

■ 44.3702, 22.5249,  
21.9316

■ 44.1261, 22.3299,  
20.9461

# Harmonies

## Analogous

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



74.8790, 71.7076, 97.6478



77.3468, 71.7076, 84.6272



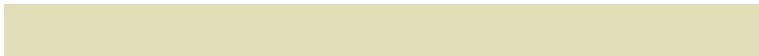
77.2741, 71.7076, 71.2004

# Triad

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



77.3468, 71.7076, 84.6272



65.7104, 71.7076, 55.6279



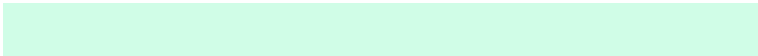
62.0192, 71.7076, 98.2564

# Complementary

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



77.3468, 71.7076, 84.6272



75.5644, 89.4319, 88.8850

# 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.



59.7848, 71.7076, 85.3835



77.3468, 71.7076, 84.6272



61.8478, 71.7076, 61.3138

# Square

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



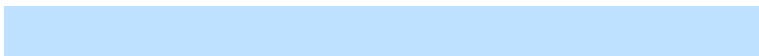
77.3468, 71.7076, 84.6272



70.4061, 71.7076, 55.4752



59.7236, 71.7076, 71.8746



65.9542, 71.7076, 106.1105



# Rectangle

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



77.3468, 71.7076, 84.6272



75.7901, 71.7076, 63.8230



59.7236, 71.7076, 71.8746



61.0525, 71.7076, 94.3102

# Sweetspot

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



77.3489, 71.7108, 84.6287



90.0849, 91.7205, 102.1559



73.0821, 69.1130, 102.4177



19.1377, 19.3923, 21.6674



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.



77.3489, 71.7108, 84.6287



76.1836, 68.8242, 82.3969



74.4517, 70.5519, 69.3723



18.3794, 18.1351, 20.6153



23.5464, 11.9078, 11.5276



2.3476, 1.1814, 1.4119



# Inverse Universe

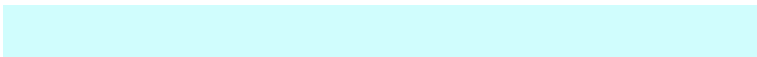
The Inverse Universe completely reimagines the original color for something new.



77.3489, 71.7108, 84.6287



76.1836, 68.8242, 82.3969



78.8695, 90.7539, 106.2898



18.3794, 18.1351, 20.6153



23.5464, 11.9078, 11.5276



2.3476, 1.1814, 1.4119



# Previews

## White Background



This preview shows how the XYZ color 77.3468, 71.7076, 84.6272 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

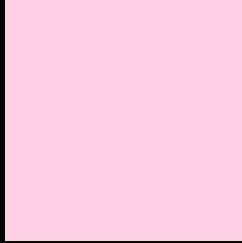
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.3468, 71.7076, 84.6272 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 77.3468, 71.7076, 84.6272**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.3468, 71.7076, 84.6272.



This preview shows how white text looks on a background with the XYZ color 77.3468, 71.7076,

84.6272.

# 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

77.3468, 71.7076, 84.6272

### Protanopia

70.1328, 71.9931, 90.3204

### Deuteranopia

73.4493, 71.9274, 84.1409



## Tritanopia

76.5360, 71.7326, 81.0461

# Trichromacy



## Original Color

77.3468, 71.7076, 84.6272

## Protanomaly

72.4304, 71.6972, 87.8634

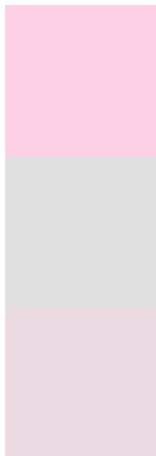
## Deuteranomaly

74.6485, 71.7988, 84.0529

## Tritanomaly

76.8105, 71.8424, 82.4917

# Monochromacy



## Original Color

77.3468, 71.7076, 84.6272

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

73.0598, 73.2960, 82.2484

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3468, 71.7076, 84.6272 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(253, 208, 230)` looks like.

```
.text, #text, p{  
    color:rgb(253, 208, 230)  
}
```

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(253, 208, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 208, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3468, 71.7076, 84.6272 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(253, 208, 230) }
```



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

```
.border{ border-color:rgb(253, 208, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 208, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 208, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 208, 230);  
box-shadow:4px 4px 4px 4px rgb(253, 208,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3468, 71.7076, 84.6272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 208, 230) }
```

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

```
.background{ background-color: rgb(253,  
208, 230) }
```

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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