

# Converting Colors

XYZ(67.7647, 58.3063, 72.6709)

Have a look what the booklet for  
XYZ(67.7647, 58.3063, 72.6709)  
contains.

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# Color

**XYZ(67.8340, 58.3702,  
72.6571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8B6D8
RGB	248, 182, 216
RGB Percent	97%, 71%, 85%
CMY	0.0274, 0.2863, 0.1529
CMYK	0.00, 0.27, 0.13, 0.03
HSL	329°, 83%, 84%
HSV	329°, 27%, 97%
XYZ	67.8340, 58.3702, 72.6571
YIQ	205.6100, 28.4220, 24.5660

# Conversions

## Conversions Part 2

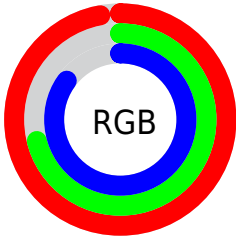
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	248, 182, 216
Decimal	16299736
CIE Lab	80.94, 28.96, -7.63
CIE LCh	81, 29.952, 345.250
Yxy	58.3702, 0.3411, 0.2935
Android (android.graphics.Color)	4294489816 (0xFFF8B6D8)
YUV	205.6100, 5.1223, 37.1760
Hunter-Lab	76.4004, 24.7850, -2.9048

# Details

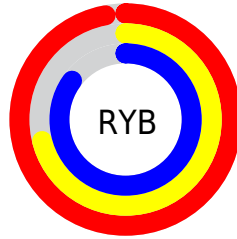
The XYZ color **67.8340, 58.3702, 72.6571** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.9988, 81.9365, 76.0116**, and the grayscale version is **58.3740, 61.4140, 66.8799**.

A 20% lighter version of the original color is **89.8645, 89.6291, 107.1715**, and **35.6381, 29.0879, 37.4544** is the 20% darker color. If you saturate the color by 10%, you get **61.6998, 48.4987, 63.2210**, and if you desaturate by 10%, it is **74.9848, 70.0912, 82.9947**.

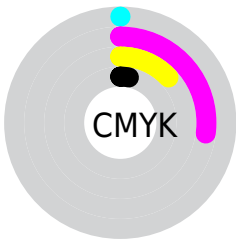
# Distribution



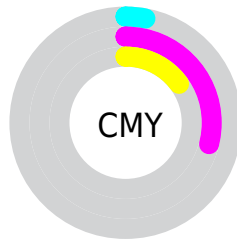
- Red (97%)
- Green (71%)
- Blue (85%)



- Red (97%)
- Yellow (71%)
- Blue (85%)



- Cyan (0%)
- Magenta (27%)
- Yellow (13%)
- Black (3%)



- Cyan (3%)
- Magenta (29%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8340, 58.3702, 72.6571 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 67.8340, 58.3702, 72.6571 by changing the saturation by 10% instead.



67.8340, 58.3702,  
72.6571

67.8340, 58.3702,  
72.6571

442.2936,  
418.5640, 488.8644

50.0359, 42.1063,  
53.2055

115.1579,  
102.4618, 124.7067

35.6598, 29.1846,  
37.5780

145.4143,  
131.0582, 158.1418

24.3405, 19.2205,  
25.3560

180.5542,  
164.5344, 197.0751

15.7125, 11.8297,  
16.1211

220.9430,  
203.2746, 241.9252

9.4105, 6.6278,  
9.4546

266.9460,  
247.6633, 293.1107

5.0691, 3.2305,  
4.9380


318.9285,

2.3231, 1.2532,


298.0848, 351.0500


2.1528


377.2559,  
354.9236, 416.1617

 0.8064, 0.1045,  
0.6470


 0.0000, 0.0000,  
0.0000


 67.8340, 58.3702,  
72.6571


 67.8340, 58.3702,  
72.6571


 61.6998, 48.4987,  
63.2210


 74.9848, 70.0912,  
82.9947

 56.5271, 40.3730,  
54.6542

 83.1934, 83.7426,  
94.2573

 52.2635, 33.8910,  
46.9275

 92.0545, 98.5097,  
106.3215

 48.8488, 28.9369,  
40.0081

 92.5217, 98.6966,  
108.7817

■ 46.2153, 25.3794,  
33.8603

■ 44.2839, 23.0648,  
28.4437

■ 42.9559, 21.8003,  
23.7111

■ 42.5916, 21.5086,  
22.2427

# Harmonies

## Analogous

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



64.3901, 58.3702, 90.7710



67.8340, 58.3702, 72.6571



67.8032, 58.3702, 54.9855

# Triad

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



67.8340, 58.3702, 72.6571



52.4000, 58.3702, 35.9624



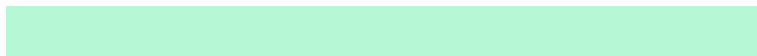
47.4970, 58.3702, 91.0384

# Complementary

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



67.8340, 58.3702, 72.6571



64.9988, 81.9365, 76.0116

# 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.



44.7469, 58.3702, 72.9721



67.8340, 58.3702, 72.6571



47.4307, 58.3702, 42.4085

# Square

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



67.8340, 58.3702, 72.6571



58.5723, 58.3702, 35.9097



44.7236, 58.3702, 55.2471



52.4968, 58.3702, 102.6518



# Rectangle

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



67.8340, 58.3702, 72.6571



65.8030, 58.3702, 45.8055



44.7236, 58.3702, 55.2471



46.2958, 58.3702, 85.3836

# Sweetspot

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



67.8357, 58.3728, 72.6583



87.3319, 87.0471, 98.6719



61.3760, 54.5173, 96.0957



18.4000, 18.1433, 20.7237



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.



67.8357, 58.3728, 72.6583



68.5820, 56.2294, 71.8213



63.9991, 56.8382, 52.4552



17.6179, 17.3745, 19.8436



23.0791, 11.6473, 12.3907



2.1911, 1.1002, 1.4298



# Inverse Universe

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



67.8357, 58.3728, 72.6583



68.5820, 56.2294, 71.8213



69.6337, 83.7904, 100.4187



17.6179, 17.3745, 19.8436



23.0791, 11.6473, 12.3907



2.1911, 1.1002, 1.4298



# Previews

## White Background



This preview shows how the XYZ color 67.8340, 58.3702, 72.6571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

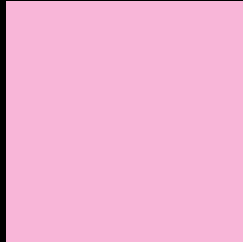
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.8340, 58.3702, 72.6571 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

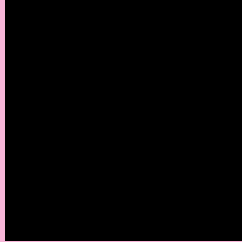
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.8340, 58.3702, 72.6571**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.8340, 58.3702, 72.6571.



This preview shows how white text looks on a background with the XYZ color 67.8340, 58.3702,

72.6571.

# 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

67.8340, 58.3702, 72.6571

### Protanopia

57.5454, 58.7249, 80.9751

### Deuteranopia

59.6770, 58.3323, 71.7323



## Tritanopia

65.6638, 58.4143, 61.8471

# Trichromacy



## Original Color

67.8340, 58.3702, 72.6571



## Protanomaly

60.7081, 58.0666, 77.8203



## Deuteranomaly

62.3578, 58.0641, 72.2109



## Tritanomaly

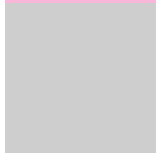
66.5177, 58.4629, 65.5362

# Monochromacy



## Original Color

67.8340, 58.3702, 72.6571



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

61.4179, 59.9578, 69.3087

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.8340, 58.3702, 72.6571 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(248, 182, 216) looks like.

```
.text, #text, p{  
    color:rgb(248, 182, 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(248, 182, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 182, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 67.8340, 58.3702, 72.6571 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(248, 182, 216) }
```



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

```
.border{ border-color:rgb(248, 182, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 182, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 182, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 182, 216);  
box-shadow:4px 4px 4px 4px rgb(248, 182,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.8340, 58.3702, 72.6571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 182, 216) }
```

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

```
.background{ background-color: rgb(248,  
182, 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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