

# Converting Colors

XYZ(75.7252, 61.9208, 72.1951)

Have a look what the booklet for  
XYZ(75.7252, 61.9208, 72.1951)  
contains.

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# Color

**XYZ(69.8270, 58.8088,  
71.9609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB4D7
RGB	255, 180, 215
RGB Percent	100%, 71%, 84%
CMY	0.0000, 0.2941, 0.1569
CMYK	0.00, 0.29, 0.16, 0.00
HSL	332°, 100%, 85%
HSV	332°, 29%, 100%
XYZ	69.8270, 58.8088, 71.9609
YIQ	206.4150, 33.4650, 26.7850

# Conversions

## Conversions Part 2

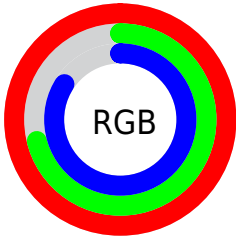
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 180, 215
Decimal	16757975
CIE Lab	81.19, 32.25, -6.65
CIE LCh	81, 32.932, 348.353
Yxy	58.8088, 0.3481, 0.2932
Android (android.graphics.Color)	4294948055 (0xFFFFB4D7)
YUV	206.4150, 4.2324, 42.6090
Hunter-Lab	76.6869, 28.3305, -1.9553

# Details

The XYZ color **69.8270, 58.8088, 71.9609** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **67.5027, 86.3916, 80.8311**, and the grayscale version is **58.8921, 61.9591, 67.4734**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **36.8320, 29.3301, 36.9777** is the 20% darker color. If you saturate the color by 10%, you get **63.4691, 48.7745, 61.5748**, and if you desaturate by 10%, it is **77.2799, 70.8001, 83.4303**.

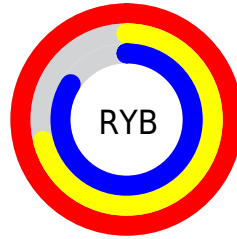
# Distribution



Red (100%)

Green (71%)

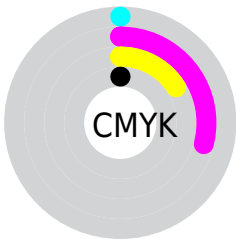
Blue (84%)



Red (100%)

Yellow (71%)

Blue (84%)

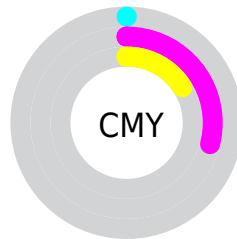


Cyan (0%)

Magenta (29%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8270, 58.8088, 71.9609 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 69.8270, 58.8088, 71.9609 by changing the saturation by 10% instead.



69.8270, 58.8088,  
71.9609

69.8270, 58.8088,  
71.9609

449.2182,  
420.1930, 486.3794

51.6646, 42.4592,  
52.6401

117.9896,  
103.0997, 123.7081

36.9610, 29.4610,  
37.1298

148.7206,  
131.8099, 156.9717

25.3508, 19.4299,  
25.0114

184.3717,  
165.4090, 195.7198

16.4687, 11.9813,  
15.8665

225.3084,  
204.2815, 240.3712

9.9494, 6.7309,  
9.2764

271.8961,  
248.8117, 291.3443

5.4274, 3.2944,  
4.8226

324.5001,

2.5375, 1.2873,

299.3841, 349.0577

2.0867

383.4856,  
356.3831, 413.9298

■ 0.9142, 0.1313,  
0.6078

■ 0.0000, 0.0000,  
0.0000

■ 69.8270, 58.8088,  
71.9609

■ 69.8270, 58.8088,  
71.9609

■ 63.4691, 48.7745,  
61.5748

■ 77.2799, 70.8001,  
83.4303

■ 58.1466, 40.5843,  
52.2327

■ 85.8751, 84.8382,  
96.0133

■ 53.8001, 34.1252,  
43.8974

95.0500, 100.0000,  
108.9000

■ 50.3625, 29.2687,  
36.5278

■ 47.7570, 25.8679,  
30.0787

■ 45.8932, 23.7486,  
24.4994

■ 44.6341, 22.6438,  
19.7227

■ 44.5693, 22.5917,  
19.4620

# Harmonies

## Analogous

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



66.3370, 58.8088, 92.5414



69.8270, 58.8088, 71.9609



69.3650, 58.8088, 52.8653

# Triad

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



69.8270, 58.8088, 71.9609



51.8470, 58.8088, 34.4676



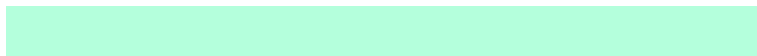
47.5853, 58.8088, 96.5913

# Complementary

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



69.8270, 58.8088, 71.9609



67.5027, 86.3916, 80.8311

# 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.



44.2942, 58.8088, 76.6716



69.8270, 58.8088, 71.9609



46.6124, 58.8088, 42.0777

# Square

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



69.8270, 58.8088, 71.9609



58.5997, 58.8088, 33.7167



43.9533, 58.8088, 56.7095



53.2767, 58.8088, 108.5844



# Rectangle

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



69.8270, 58.8088, 71.9609



66.8843, 58.8088, 43.3466



43.9533, 58.8088, 56.7095



46.1823, 58.8088, 90.4329

# Sweetspot

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



69.8284, 58.8113, 71.9621



86.2520, 85.4579, 96.5527



63.8886, 55.0811, 101.8722



18.1767, 17.8236, 20.2578



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.



69.8284, 58.8113, 71.9621



66.1420, 52.9661, 66.0240



66.3106, 58.2190, 50.9257



18.3621, 18.1282, 20.5240



23.3623, 11.8342, 10.5580



2.3293, 1.1741, 1.3154



# Inverse Universe

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



69.8284, 58.8113, 71.9621



66.1420, 52.9661, 66.0240



71.8415, 86.8594, 107.5868



18.3621, 18.1282, 20.5240



23.3623, 11.8342, 10.5580



2.3293, 1.1741, 1.3154



# Previews

## White Background



This preview shows how the XYZ color 69.8270, 58.8088, 71.9609 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

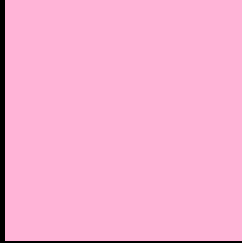
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.8270, 58.8088, 71.9609 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

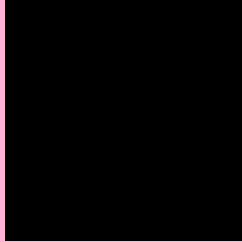
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.8270, 58.8088, 71.9609**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.8270, 58.8088, 71.9609.



This preview shows how white text looks on a background with the XYZ color 69.8270, 58.8088,

71.9609.

# 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

69.8270, 58.8088, 71.9609

### Protanopia

58.1789, 59.3805, 81.7940

### Deuteranopia

60.2389, 58.9850, 70.4977



## Tritanopia

67.5195, 58.7808, 60.6105

# Trichromacy



## Original Color

69.8270, 58.8088, 71.9609



## Protanomaly

61.6027, 58.5277, 77.8622



## Deuteranomaly

63.3787, 58.6199, 70.9251



## Tritanomaly

68.5001, 58.8864, 64.8826

# Monochromacy



## Original Color

69.8270, 58.8088, 71.9609



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

62.2153, 60.3832, 68.6976

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.8270, 58.8088, 71.9609 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, 180, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 215)  
}
```

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, 180, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 69.8270, 58.8088, 71.9609 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, 180, 215) }
```



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

```
.border{ border-color:rgb(255, 180, 215) }
```

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

Here you see how a box with a 4 pixel rgb(255, 180, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.8270, 58.8088, 71.9609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 215) }
```

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

```
.background{ background-color: rgb(255,  
180, 215) }
```

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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