

# Converting Colors

XYZ(70.6661, 59.6918, 73.3693)

Have a look what the booklet for  
XYZ(70.6661, 59.6918, 73.3693)  
contains.

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# Color

**XYZ(70.4923, 59.7257,  
73.4585)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB6D9
RGB	255, 182, 217
RGB Percent	100%, 71%, 85%
CMY	0.0000, 0.2862, 0.1490
CMYK	0.00, 0.29, 0.15, 0.00
HSL	331°, 100%, 86%
HSV	331°, 29%, 100%
XYZ	70.4923, 59.7257, 73.4585
YIQ	207.8170, 32.2730, 26.3610

# Conversions

## Conversions Part 2

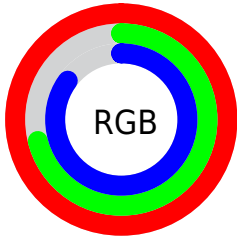
Format	Color
R <sub>Y</sub> B	255, 182, 217
Decimal	16758489
CIE Lab	81.69, 31.52, -6.98
CIE LCh	82, 32.281, 347.509
Yxy	59.7257, 0.3461, 0.2932
Android (android.graphics.Color)	4294948569 (0xFFFFB6D9)
YUV	207.8170, 4.5272, 41.3795
Hunter-Lab	77.2824, 27.5726, -2.2587

# Details

The XYZ color **70.4923, 59.7257, 73.4585** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.9719, 86.6334, 80.8532**, and the grayscale version is **59.7941, 62.9080, 68.5068**.

A 20% lighter version of the original color is **89.8645, 89.6291, 107.1715**, and **37.2667, 29.9173, 37.9929** is the 20% darker color. If you saturate the color by 10%, you get **64.0799, 49.5537, 63.1423**, and if you desaturate by 10%, it is **77.9974, 71.8601, 84.8257**.

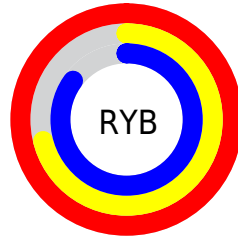
# Distribution



Red (100%)

Green (71%)

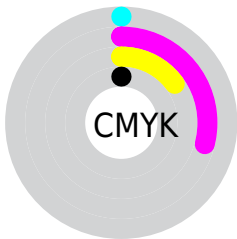
Blue (85%)



Red (100%)

Yellow (71%)

Blue (85%)

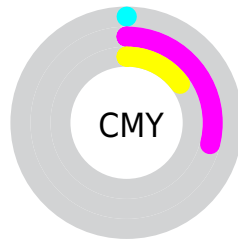


Cyan (0%)

Magenta (29%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4923, 59.7257, 73.4585 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 70.4923, 59.7257, 73.4585 by changing the saturation by 10% instead.





 70.4923, 59.7257,  
73.4585

 70.4923, 59.7257,  
73.4585


451.5162,  
423.5860, 491.7157

 52.2090, 43.1976,  
53.8569


 118.9330,  
104.4317, 125.8548

 37.3967, 30.0402,  
38.0948


149.8211,  
133.3783, 159.4866

 25.6898, 19.8691,  
25.7539


185.6416,  
167.2332, 198.6322

 16.7232, 12.2999,  
16.4155

226.7597,  
206.3808, 243.7101

 10.1314, 6.9483,  
9.6611

273.5409,  
251.2055, 295.1388

 5.5491, 3.4298,  
5.0722

326.3504,

 2.6109, 1.3600,

302.0917, 353.3370

2.2302

385.5537,  
359.4237, 418.7231

■ 0.9515, 0.1870,  
0.6917

■ 0.0000, 0.0000,  
0.0000

■ 70.4923, 59.7257,  
73.4585

■ 70.4923, 59.7257,  
73.4585

■ 64.0799, 49.5537,  
63.1423

■ 77.9974, 71.8601,  
84.8257

■ 58.7009, 41.2318,  
53.8391

■ 86.6417, 86.0458,  
97.2726

■ 54.2968, 34.6480,  
45.5135

95.0500, 100.0000,  
108.9000

■ 50.8011, 29.6751,  
38.1261

■ 48.1386, 26.1680,  
31.6336

■ 46.2202, 23.9553,  
25.9876

■ 44.9211, 22.7933,  
21.1266

■ 44.7685, 22.6714,  
20.5110

# Harmonies

## Analogous

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



66.9492, 59.7257, 93.6991



70.4923, 59.7257, 73.4585



70.1511, 59.7257, 54.4181

# Triad

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



70.4923, 59.7257, 73.4585



52.9295, 59.7257, 35.4927



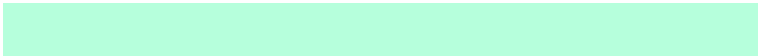
48.3973, 59.7257, 96.6828

# Complementary

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



70.4923, 59.7257, 73.4585



67.9719, 86.6334, 80.8532

# 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.



45.2045, 59.7257, 76.9414



70.4923, 59.7257, 73.4585



47.6743, 59.7257, 42.9028

# Square

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



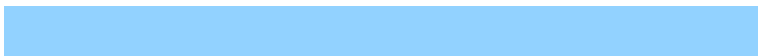
70.4923, 59.7257, 73.4585



59.6385, 59.7257, 34.9299



44.9509, 59.7257, 57.2743



53.9901, 59.7257, 108.7946



# Rectangle

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



70.4923, 59.7257, 73.4585



67.7669, 59.7257, 44.8178



44.9509, 59.7257, 57.2743



47.0278, 59.7257, 90.5582

# Sweetspot

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



70.4938, 59.7283, 73.4597



86.2963, 85.4756, 96.7859



64.2097, 55.8504, 102.0037



18.1876, 17.8279, 20.3152



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.



70.4938, 59.7283, 73.4597



66.9142, 54.0226, 67.7859



66.6637, 58.5967, 52.0561



18.3721, 18.1321, 20.5766



23.4670, 11.8761, 11.1097



2.3397, 1.1783, 1.3705



# Inverse Universe

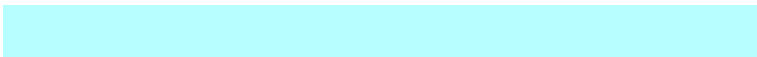
The Inverse Universe completely reimagines the original color for something new.



70.4938, 59.7283, 73.4597



66.9142, 54.0226, 67.7859



72.7160, 87.9121, 107.7439



18.3721, 18.1321, 20.5766



23.4670, 11.8761, 11.1097



2.3397, 1.1783, 1.3705



# Previews

## White Background



This preview shows how the XYZ color 70.4923, 59.7257, 73.4585 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

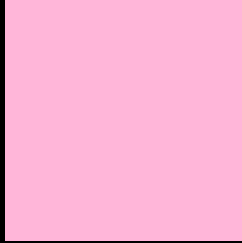
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.4923, 59.7257, 73.4585 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

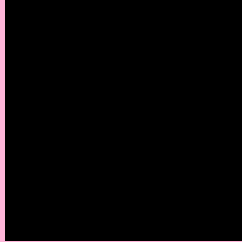
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.4923, 59.7257, 73.4585**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.4923, 59.7257, 73.4585.



This preview shows how white text looks on a background with the XYZ color 70.4923, 59.7257,

73.4585.

# 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

70.4923, 59.7257, 73.4585

### Protanopia

58.8166, 60.0403, 82.6177

### Deuteranopia

61.0173, 59.6930, 71.9243



## Tritanopia

68.1658, 59.7041, 61.9641

# Trichromacy



## Original Color

70.4923, 59.7257, 73.4585



## Protanomaly

62.3191, 59.5265, 79.4394



## Deuteranomaly

64.0704, 59.5945, 72.4160



## Tritanomaly

69.1541, 59.8080, 66.2918

# Monochromacy



## Original Color

70.4923, 59.7257, 73.4585



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

63.2326, 61.5575, 70.1771

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.4923, 59.7257, 73.4585 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, 182, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 217)  
}
```

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, 182, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 70.4923, 59.7257, 73.4585 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, 182, 217) }
```



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

```
.border{ border-color:rgb(255, 182, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 182, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.4923, 59.7257, 73.4585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 217) }
```

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

```
.background{ background-color: rgb(255,  
182, 217) }
```

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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