

# Converting Colors

XYZ(70.8910, 59.3009, 83.3888)

Have a look what the booklet for  
XYZ(70.8910, 59.3009, 83.3888)  
contains.

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# Color

**XYZ(71.0926, 59.5127,  
83.3414)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FCB5E7
RGB	252, 181, 231
RGB Percent	99%, 71%, 91%
CMY	0.0118, 0.2902, 0.0941
CMYK	0.00, 0.28, 0.08, 0.01
HSL	318°, 92%, 85%
HSV	318°, 28%, 99%
XYZ	71.0926, 59.5127, 83.3414
YIQ	207.9290, 26.2660, 30.6020

# Conversions

## Conversions Part 2

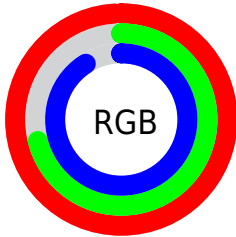
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 181, 231
Decimal	16561639
CIE Lab	81.57, 33.30, -14.72
CIE LCh	82, 36.408, 336.151
Yxy	59.5127, 0.3323, 0.2782
Android (android.graphics.Color)	4294751719 (0xFFFCB5E7)
YUV	207.9290, 11.3740, 38.6503
Hunter-Lab	77.1445, 29.4941, -10.0516

# Details

The XYZ color **71.0926, 59.5127, 83.3414** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.5296, 83.7107, 68.6376**, and the grayscale version is **59.8265, 62.9421, 68.5440**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **37.8329, 29.8760, 44.3301** is the 20% darker color. If you saturate the color by 10%, you get **65.3944, 49.7647, 76.3582**, and if you desaturate by 10%, it is **77.7659, 71.1374, 90.8722**.

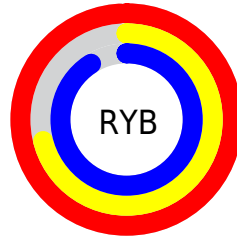
# Distribution



Red (99%)

Green (71%)

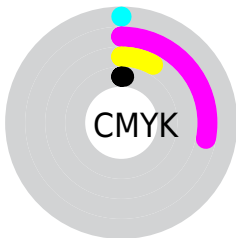
Blue (91%)



Red (99%)

Yellow (71%)

Blue (91%)

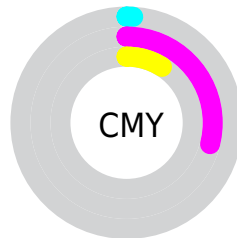


Cyan (0%)

Magenta (28%)

Yellow (8%)

Black (1%)



Cyan (1%)

Magenta (29%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0926, 59.5127, 83.3414 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 71.0926, 59.5127, 83.3414 by changing the saturation by 10% instead.




 71.0926, 59.5127,  
83.3414

 71.0926, 59.5127,  
83.3414

453.5839,  
422.7993, 526.1244

 52.7006, 43.0260,  
61.9296

 119.7834,  
104.1225, 139.9070

 37.7903, 29.9055,  
44.5404

150.8128,  
133.0143, 175.8979

 25.9965, 19.7669,  
30.7553

186.7855,  
166.8099, 217.5856

 16.9537, 12.2257,  
20.1556

228.0666,  
205.8938, 265.3885

 10.2966, 6.8976,  
12.3230

275.0217,  
250.6502, 319.7254

 5.6598, 3.3981,  
6.8389

328.0160,

 2.6780, 1.3429,

301.4637, 381.0146

3.2846

387.4150,  
358.7186, 449.6748

■ 0.9859, 0.1741,  
1.2417

■ 0.0000, 0.0000,  
0.0133

■ 71.0926, 59.5127,  
83.3414

■ 71.0926, 59.5127,  
83.3414

■ 65.3944, 49.7647,  
76.3582

■ 77.7659, 71.1374,  
90.8722

■ 60.6155, 41.7852,  
69.8993

■ 85.4557, 84.7233,  
98.9651

■ 56.7023, 35.4672,  
63.9447

■ 93.6930, 99.3307,  
107.4670

■ 53.5934, 30.6889,  
58.4711

■ 93.9554, 99.4357,  
108.8488

■ 51.2192, 27.3115,  
53.4525

■ 49.4971, 25.1713,  
48.8583

■ 48.3141, 24.0431,  
44.6480

■ 48.1271, 23.8884,  
43.9102

# Harmonies

## Analogous

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



65.6810, 59.5127, 105.0522



71.0926, 59.5127, 83.3414



72.4636, 59.5127, 60.3949

# Triad

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



71.0926, 59.5127, 83.3414



55.0055, 59.5127, 31.3252



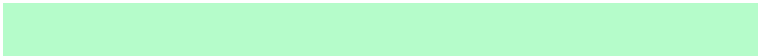
45.5132, 59.5127, 92.9211

# Complementary

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



71.0926, 59.5127, 83.3414



64.5296, 83.7107, 68.6376

# 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.



43.1806, 59.5127, 69.4126



71.0926, 59.5127, 83.3414



48.3341, 59.5127, 36.4190

# Square

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



71.0926, 59.5127, 83.3414



62.7149, 59.5127, 33.4343



44.1650, 59.5127, 49.2339



50.8310, 59.5127, 111.3971



# Rectangle

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



71.0926, 59.5127, 83.3414



70.8025, 59.5127, 47.9691



44.1650, 59.5127, 49.2339



44.3769, 59.5127, 85.1666

# Sweetspot

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



71.0944, 59.5154, 83.3426



87.9275, 87.2853, 101.8080



58.2159, 52.5128, 99.1643



18.5503, 18.2034, 21.5148



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.



71.0944, 59.5154, 83.3426



69.4905, 55.0531, 81.3522



66.6785, 57.7490, 60.0888



17.7614, 17.4319, 20.5995



25.1375, 12.4707, 23.2302



2.3746, 1.1736, 2.3962



# Inverse Universe

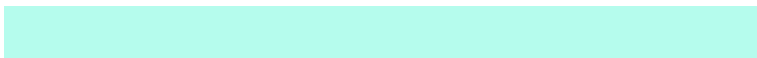
The Inverse Universe completely reimagines the original color for something new.



71.0944, 59.5154, 83.3426



69.4905, 55.0531, 81.3522



69.0987, 85.5383, 92.6979



17.7614, 17.4319, 20.5995



25.1375, 12.4707, 23.2302



2.3746, 1.1736, 2.3962



# Previews

## White Background



This preview shows how the XYZ color 71.0926, 59.5127, 83.3414 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

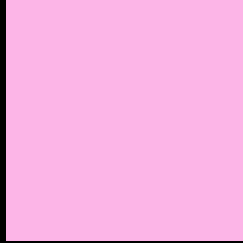
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0926, 59.5127, 83.3414 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

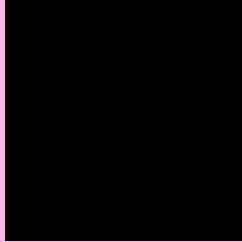
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 71.0926, 59.5127, 83.3414

## Background



This preview shows how black text looks on a background with the XYZ color 71.0926, 59.5127, 83.3414.



This preview shows how white text looks on a background with the XYZ color 71.0926, 59.5127,



# 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

71.0926, 59.5127, 83.3414

### Protanopia

59.4639, 59.7743, 93.9915

### Deuteranopia

61.0616, 59.8385, 81.7305



## Tritanopia

66.8129, 59.2913, 63.1813

# Trichromacy



## Original Color

71.0926, 59.5127, 83.3414



## Protanomaly

62.8961, 59.2626, 89.7852



## Deuteranomaly

64.3565, 59.5252, 82.2263



## Tritanomaly

68.0911, 59.1742, 70.1203

# Monochromacy



## Original Color

71.0926, 59.5127, 83.3414



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

63.3292, 61.1933, 73.4394

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0926, 59.5127, 83.3414 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(252, 181, 231)` looks like.

```
.text, #text, p{  
    color:rgb(252, 181, 231)  
}
```

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(252, 181, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 181, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0926, 59.5127, 83.3414 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(252, 181, 231) }
```



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

```
.border{ border-color:rgb(252, 181, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 181, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 181, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 181, 231);  
box-shadow:4px 4px 4px 4px rgb(252, 181,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0926, 59.5127, 83.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 181, 231) }
```

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

```
.background{ background-color: rgb(252,  
181, 231) }
```

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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