

# Converting Colors

XYZ(68.5432, 42.5962, 67.1367)

Have a look what the booklet for  
XYZ(68.5432, 42.5962, 67.1367)  
contains.

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# Color

**XYZ(58.9178, 37.6018,  
66.4399)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF70D4
RGB	255, 112, 212
RGB Percent	100%, 44%, 83%
CMY	0.0000, 0.5608, 0.1686
CMYK	0.00, 0.56, 0.17, 0.00
HSL	318°, 100%, 72%
HSV	318°, 56%, 100%
XYZ	58.9178, 37.6018, 66.4399
YIQ	166.1570, 53.1280, 61.4160

# Conversions

## Conversions Part 2

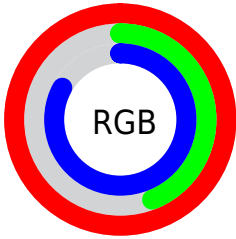
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 112, 212
Decimal	16740564
CIE Lab	67.73, 65.44, -25.28
CIE LCh	68, 70.149, 338.876
Yxy	37.6018, 0.3615, 0.2307
Android (android.graphics.Color)	4294930644 (0xFFFF70D4)
YUV	166.1570, 22.6006, 77.9153
Hunter-Lab	61.3203, 64.1959, -21.3159

# Details

The XYZ color **58.9178, 37.6018, 66.4399** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.3600, 77.3320, 43.3911**, and the grayscale version is **36.1989, 38.0841, 41.4736**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **29.8646, 16.5826, 33.5250** is the 20% darker color. If you saturate the color by 10%, you get **55.5475, 32.3725, 60.6569**, and if you desaturate by 10%, it is **63.1324, 44.4457, 72.7318**.

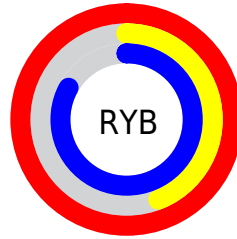
# Distribution



Red (100%)

Green (44%)

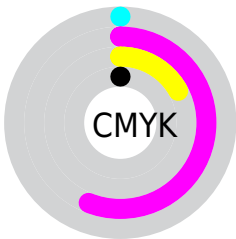
Blue (83%)



Red (100%)

Yellow (44%)

Blue (83%)

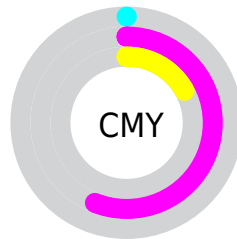


Cyan (0%)

Magenta (56%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (56%)


Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9178, 37.6018, 66.4399 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 58.9178, 37.6018, 66.4399 by changing the saturation by 10% instead.





 58.9178, 37.6018,  
66.4399


 58.9178, 37.6018,  
66.4399


410.4962,  
335.9087, 466.3956


 42.7931, 25.6738,  
48.1709

 102.3735, 71.4974,  
115.7505

 29.9166, 16.5798,  
33.6013


 130.4352, 94.2338,  
147.6291

 19.9231, 9.9353,  
22.3126


 163.2065,  
121.3417, 184.8814

 12.4471, 5.3561,  
13.8862

201.0529,  
153.2056, 227.9257

 7.1233, 2.4577,  
7.9037

244.3398,  
190.2098, 277.1808

 3.5863, 0.8553,  
3.9465

293.4323,

 1.4709, 0.0000,

232.7388, 333.0651

1.5961

348.6960,  
281.1770, 395.9972

■ 0.3059, 0.0000,  
0.2880

■ 0.0000, 0.0000,  
0.0000

■ 58.9178, 37.6018,  
66.4399

■ 58.9178, 37.6018,  
66.4399

■ 55.5475, 32.3725,  
60.6569

■ 63.1324, 44.4457,  
72.7318

■ 52.9488, 28.6141,  
55.3543

■ 68.2502, 53.0217,  
79.5541

■ 51.0410, 26.1661,  
50.5024

■ 74.3280, 63.4421,  
86.9291

■ 49.7228, 24.8269,  
46.0642

■ 81.4168, 75.8083,  
94.8768

■ 49.3079, 24.4872,  
44.4152

■ 89.5642, 90.2142,  
103.4158

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



50.4806, 37.6018, 107.2049



58.9178, 37.6018, 66.4399



60.5386, 37.6018, 32.4060

# Triad

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



58.9178, 37.6018, 66.4399



32.6193, 37.6018, 5.7525



21.8459, 37.6018, 90.9907

# Complementary

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



58.9178, 37.6018, 66.4399



48.3600, 77.3320, 43.3911

# 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.



18.8494, 37.6018, 50.8589



58.9178, 37.6018, 66.4399



24.1898, 37.6018, 9.8374

# Square

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



58.9178, 37.6018, 66.4399



43.7888, 37.6018, 6.6901



19.6108, 37.6018, 22.9785



28.7423, 37.6018, 125.6690



# Rectangle

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



58.9178, 37.6018, 66.4399



57.2718, 37.6018, 18.3534



19.6108, 37.6018, 22.9785



20.4197, 37.6018, 77.0586

# Sweetspot

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



58.9187, 37.6035, 66.4406



80.7177, 74.5808, 94.1175



37.3444, 25.7692, 97.6134



16.9584, 15.4052, 19.7956



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.



58.9187, 37.6035, 66.4406



55.2760, 31.9655, 60.1469



51.8134, 34.7614, 29.0246



18.5463, 18.2018, 21.4940



25.8337, 12.8228, 23.5724



2.5637, 1.2679, 2.5500



# Inverse Universe

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



58.9187, 37.6035, 66.4406



55.2760, 31.9655, 60.1469



56.2257, 80.4783, 84.8112



18.5463, 18.2018, 21.4940



25.8337, 12.8228, 23.5724

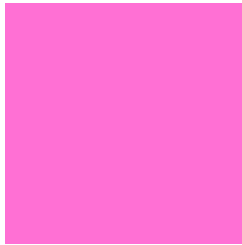


2.5637, 1.2679, 2.5500



# Previews

## White Background



This preview shows how the XYZ color 58.9178, 37.6018, 66.4399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

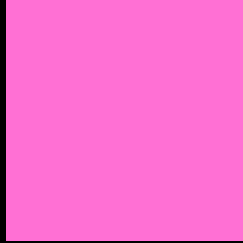
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.9178, 37.6018, 66.4399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

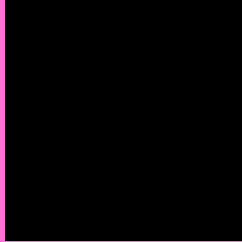
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.9178, 37.6018, 66.4399**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.9178, 37.6018, 66.4399.



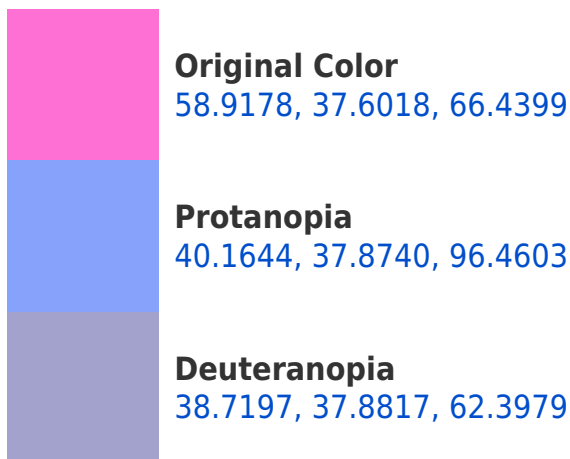
This preview shows how white text looks on a background with the XYZ color 58.9178, 37.6018,



# 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





## Tritanopia

51.1491, 37.4920, 28.5856

# Trichromacy



## Original Color

58.9178, 37.6018, 66.4399



## Protanomaly

43.6194, 35.5259, 84.6790



## Deuteranomaly

44.0007, 36.1873, 63.6972



## Tritanomaly

53.6582, 37.3918, 39.9865

# Monochromacy



## Original Color

58.9178, 37.6018, 66.4399



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

42.1148, 35.9824, 49.5254

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9178, 37.6018, 66.4399 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, 112, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 212)  
}
```

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, 112, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9178, 37.6018, 66.4399 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, 112, 212) }
```



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

```
.border{ border-color:rgb(255, 112, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9178, 37.6018, 66.4399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 212) }
```

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

```
.background{ background-color: rgb(255,  
112, 212) }
```

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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