

# Converting Colors

XYZ(56.8914, 38.1721, 51.5121)

Have a look what the booklet for  
XYZ(56.8914, 38.1721, 51.5121)  
contains.

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# Color

**XYZ(56.9261, 38.2808,  
51.4023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF78BB
RGB	255, 120, 187
RGB Percent	100%, 47%, 73%
CMY	0.0000, 0.5294, 0.2667
CMYK	0.00, 0.53, 0.27, 0.00
HSL	330°, 100%, 74%
HSV	330°, 53%, 100%
XYZ	56.9261, 38.2808, 51.4023
YIQ	168.0030, 58.9530, 49.4570

# Conversions

## Conversions Part 2

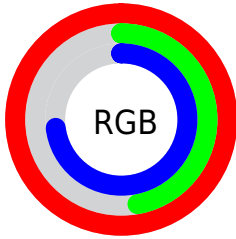
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 120, 187
Decimal	16742587
CIE Lab	68.23, 58.42, -10.51
CIE LCh	68, 59.355, 349.800
Yxy	38.2808, 0.3883, 0.2611
Android (android.graphics.Color)	4294932667 (0xFFFF78BB)
YUV	168.0030, 9.3655, 76.2964
Hunter-Lab	61.8715, 55.9574, -5.9476

# Details

The XYZ color **56.9261, 38.2808, 51.4023** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.5846, 79.1447, 60.0858**, and the grayscale version is **37.1574, 39.0925, 42.5717**.

A 20% lighter version of the original color is **72.9430, 58.7817, 92.2955**, and **28.6421, 16.9901, 24.3241** is the 20% darker color. If you saturate the color by 10%, you get **52.9432, 32.4180, 43.5909**, and if you desaturate by 10%, it is **61.8504, 45.8292, 60.1352**.

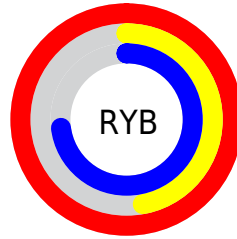
# Distribution



Red (100%)

Green (47%)

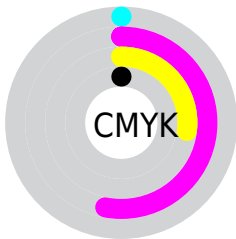
Blue (73%)



Red (100%)

Yellow (47%)

Blue (73%)

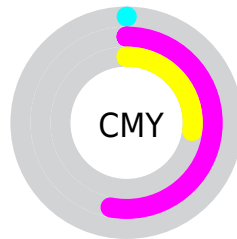


Cyan (0%)

Magenta (53%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (53%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9261, 38.2808, 51.4023 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 56.9261, 38.2808, 51.4023 by changing the saturation by 10% instead.





 56.9261, 38.2808,  
51.4023


 56.9261, 38.2808,  
51.4023


403.1910,  
338.8230, 409.0159


 41.1858, 26.2007,  
36.1499

 99.4893, 72.5383,  
93.6667

 28.6526, 16.9738,  
24.2594


 127.0430, 95.4845,  
121.5159

 18.9611, 10.2158,  
15.3122

 159.2652,  
122.8216, 154.4011

 11.7460, 5.5423,  
8.8897

196.5212,  
154.9338, 192.7408

 6.6420, 2.5688,  
4.5735

239.1764,  
192.2057, 236.9536

 3.2835, 0.9110,  
1.9449

287.5962,

 1.3054, 0.0000,

235.0216, 287.4580

0.5211

342.1460,  
283.7659, 344.6726

■ 0.1873, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.9261, 38.2808,  
51.4023

■ 56.9261, 38.2808,  
51.4023

■ 52.9432, 32.4180,  
43.5909

■ 61.8504, 45.8292,  
60.1352

■ 49.8290, 28.1014,  
36.6599

■ 67.7754, 55.1771,  
69.8233

■ 47.5047, 25.1778,  
30.5666

■ 74.7585, 66.4348,  
80.5010

■ 45.8734, 23.4597,  
25.2618

■ 82.8519, 79.7020,  
92.1998

■ 45.0415, 22.7806,  
21.9483

■ 92.1044, 95.0717,  
104.9498

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.



51.7882, 38.2808, 84.1375



56.9261, 38.2808, 51.4023



55.8906, 38.2808, 26.6549

# Triad

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



56.9261, 38.2808, 51.4023



30.6682, 38.2808, 9.7162



26.0390, 38.2808, 94.1730

# Complementary

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



56.9261, 38.2808, 51.4023



52.5846, 79.1447, 60.0858

# 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.



22.0445, 38.2808, 61.5017



56.9261, 38.2808, 51.4023



24.3855, 38.2808, 16.6305

# Square

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



56.9261, 38.2808, 51.4023



39.6372, 38.2808, 8.9015



21.4956, 38.2808, 33.2703



33.3153, 38.2808, 114.9299



# Rectangle

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



56.9261, 38.2808, 51.4023



51.8894, 38.2808, 16.7788



21.4956, 38.2808, 33.2703



24.3243, 38.2808, 83.7026

# Sweetspot

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



56.9271, 38.2826, 51.4030



80.2530, 75.4207, 88.5076



45.3844, 31.2832, 98.2540



16.8164, 15.5505, 18.4247



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.



56.9271, 38.2826, 51.4030



52.5725, 31.8888, 42.8139



51.3480, 36.0510, 22.0239



18.3853, 18.1374, 20.6459



23.6104, 11.9334, 11.8646



2.3539, 1.1839, 1.4453



# Inverse Universe

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



56.9271, 38.2826, 51.4030



52.5725, 31.8888, 42.8139



61.5568, 82.7336, 107.3325



18.3853, 18.1374, 20.6459



23.6104, 11.9334, 11.8646



2.3539, 1.1839, 1.4453



# Previews

## White Background



This preview shows how the XYZ color 56.9261, 38.2808, 51.4023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

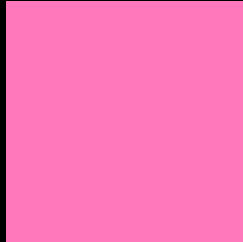
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.9261, 38.2808, 51.4023 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 56.9261, 38.2808, 51.4023**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.9261, 38.2808, 51.4023.



This preview shows how white text looks on a background with the XYZ color 56.9261, 38.2808,



# 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

56.9261, 38.2808, 51.4023

### Protanopia

39.1164, 38.6923, 71.0524

### Deuteranopia

39.2900, 38.4831, 48.5372



## Tritanopia

52.4265, 38.3386, 29.0630

# Trichromacy



## Original Color

56.9261, 38.2808, 51.4023



## Protanomaly

43.1232, 36.8983, 63.2418



## Deuteranomaly

44.1578, 37.2655, 49.6653



## Tritanomaly

53.6065, 38.0175, 35.9652

# Monochromacy



## Original Color

56.9261, 38.2808, 51.4023



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

42.6239, 37.5077, 45.5506

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.9261, 38.2808, 51.4023 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, 120, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 187)  
}
```

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, 120, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 187) }
```

## Border

The CSS property to change the border of an element to XYZ 56.9261, 38.2808, 51.4023 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, 120, 187) }
```



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

```
.border{ border-color:rgb(255, 120, 187) }
```

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

Here you see how a box with a 4 pixel rgb(255, 120, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
187) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.9261, 38.2808, 51.4023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 187) }
```

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

```
.background{ background-color: rgb(255,  
120, 187) }
```

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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