

# Converting Colors

XYZ(42.5442, 23.6049, 16.5928)

Have a look what the booklet for  
XYZ(42.5442, 23.6049, 16.5928)  
contains.

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# Color

**XYZ(42.3837, 23.4952,  
16.4885)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F7366C
RGB	247, 54, 108
RGB Percent	97%, 21%, 42%
CMY	0.0314, 0.7882, 0.5765
CMYK	0.00, 0.78, 0.56, 0.03
HSL	343°, 92%, 59%
HSV	343°, 78%, 97%
XYZ	42.3837, 23.4952, 16.4885
YIQ	117.8630, 97.6940, 57.7100

# Conversions

## Conversions Part 2

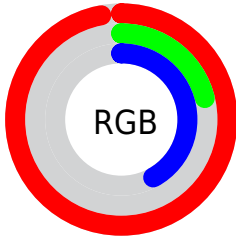
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 54, 108
Decimal	16201324
CIE Lab	55.58, 73.46, 16.81
CIE LCh	56, 75.363, 12.887
Yxy	23.4952, 0.5146, 0.2852
Android (android.graphics.Color)	4294391404 (0xFFFF7366C)
YUV	117.8630, -4.8625, 113.2531
Hunter-Lab	48.4718, 71.2544, 13.7618

# Details

The XYZ color **42.3837, 23.4952, 16.4885** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **44.4101, 71.1568, 61.8548**, and the grayscale version is **17.1725, 18.0668, 19.6747**.

A 20% lighter version of the original color is **53.9764, 36.7201, 37.0437**, and **20.6095, 10.5273, 5.3606** is the 20% darker color. If you saturate the color by 10%, you get **40.6591, 21.4101, 11.7094**, and if you desaturate by 10%, it is **44.8855, 26.8261, 22.4802**.

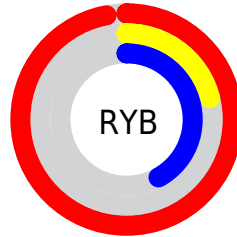
# Distribution



Red (97%)

Green (21%)

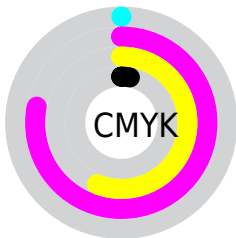
Blue (42%)



Red (97%)

Yellow (21%)

Blue (42%)

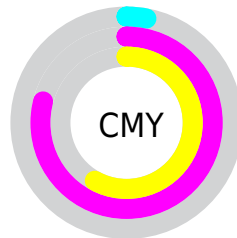


Cyan (0%)

Magenta (78%)

Yellow (56%)

Black (3%)



Cyan (3%)

Magenta (79%)

Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3837, 23.4952, 16.4885 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 42.3837, 23.4952, 16.4885 by changing the saturation by 10% instead.




 42.3837, 23.4952,  
16.4885


 42.3837, 23.4952,  
16.4885


347.0357,  
270.2583, 244.1506


 29.5943, 14.9596,  
9.7124


 78.0415, 49.2052,  
38.2227


 19.6774, 8.7910,  
5.1056


 101.6407, 67.1483,  
54.0179

 12.2676, 4.6051,  
2.2495


 129.5737, 88.9961,  
73.6566

 6.9997, 2.0175,  
0.7027

 162.2061,  
115.1329, 97.5573

 3.5083, 0.6176,  
0.0000

 199.9031,  
145.9432, 126.1384

 1.4279, 0.0000,  
0.0000

243.0302,

 0.2760, 0.0000,

181.8112, 159.8187

0.0000

291.9526,  
223.1215, 199.0166

■ 0.0000, 0.0000,  
0.0000

■ 42.3837, 23.4952,  
16.4885

■ 42.3837, 23.4952,  
16.4885

■ 40.6591, 21.4101,  
11.7094

■ 44.8855, 26.8261,  
22.4802

■ 39.5911, 20.3476,  
8.0437

■ 48.2514, 31.5583,  
29.7663

■ 39.4347, 20.2049,  
7.4672

■ 52.5577, 37.8289,  
38.4220

■ 57.8718, 45.7574,  
48.5158

■ 64.2544, 55.4514,  
60.1116

71.7615, 67.0094,  
73.2690

80.4450, 80.5226,  
88.0445

90.3535, 96.0760,  
104.4916

92.1676, 98.5141,  
108.7651

# Harmonies

## Analogous

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



41.9068, 23.4952, 41.9994



42.3837, 23.4952, 16.4885



36.5956, 23.4952, 5.1061

# Triad

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



42.3837, 23.4952, 16.4885



12.9433, 23.4952, 4.3162



17.8540, 23.4952, 101.6015

# Complementary

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



42.3837, 23.4952, 16.4885



44.4101, 71.1568, 61.8548

# 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.



12.3592, 23.4952, 72.5696



42.3837, 23.4952, 16.4885



10.0586, 23.4952, 14.1212

# Square

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



42.3837, 23.4952, 16.4885



18.8769, 23.4952, 1.6959



9.8762, 23.4952, 37.5234



26.1837, 23.4952, 103.8611



# Rectangle

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



42.3837, 23.4952, 16.4885



30.6505, 23.4952, 2.4327



9.8762, 23.4952, 37.5234



15.6729, 23.4952, 94.0828

# Sweetspot

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



42.3843, 23.4966, 16.4889



73.0383, 65.6897, 71.6187



39.9279, 20.6036, 89.8677



15.0246, 13.1253, 14.2565



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.



42.3843, 23.4966, 16.4889



42.9515, 22.2248, 10.0792



43.1911, 28.3751, 6.6925



16.6896, 16.5587, 18.1122



20.9076, 10.7065, 4.2220



1.8795, 0.9578, 0.5921



# Inverse Universe

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



42.3843, 23.4966, 16.4889



42.9515, 22.2248, 10.0792



40.1865, 51.2519, 95.7698



16.6896, 16.5587, 18.1122



20.9076, 10.7065, 4.2220



1.8795, 0.9578, 0.5921



# Previews

## White Background



This preview shows how the XYZ color 42.3837, 23.4952, 16.4885 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3837, 23.4952, 16.4885 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 × Fail

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

**XYZ 42.3837, 23.4952, 16.4885**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3837, 23.4952, 16.4885.



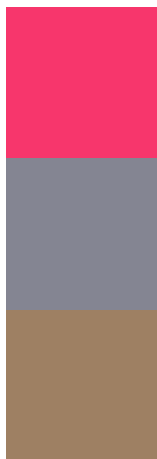
This preview shows how white text looks on a background with the XYZ color 42.3837, 23.4952,



# 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

42.3837, 23.4952, 16.4885

### Protanopia

23.0916, 23.7559, 30.5624

### Deuteranopia

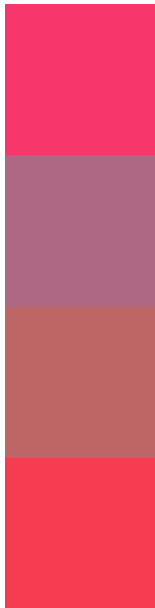
24.0719, 23.6083, 15.0925



## Tritanopia

40.4730, 23.4726, 7.5518

# Trichromacy



## Original Color

42.3837, 23.4952, 16.4885

## Protanomaly

26.5707, 20.5652, 24.3989

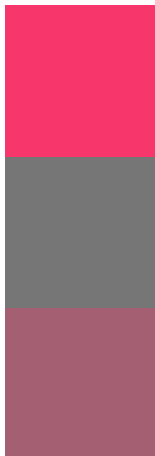
## Deuteranomaly

28.2872, 21.2138, 15.1742

## Tritanomaly

41.1071, 23.4186, 10.1382

# Monochromacy



## Original Color

42.3837, 23.4952, 16.4885

## Achromatopsia

17.2197, 18.1164, 19.7288

## Achromatomaly

22.6465, 17.3987, 18.0843

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3837, 23.4952, 16.4885 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(247, 54, 108)` looks like.

```
.text, #text, p{  
    color:rgb(247, 54, 108)  
}
```

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(247, 54, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 54, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3837, 23.4952, 16.4885 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(247, 54, 108) }
```



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

```
.border{ border-color:rgb(247, 54, 108) }
```

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

Here you see how a box with a 4 pixel rgb(247, 54, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 54, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 54, 108);  
box-shadow:4px 4px 4px 4px rgb(247, 54,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3837, 23.4952, 16.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 54, 108) }
```

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

```
.background{ background-color: rgb(247, 54,  
108) }
```

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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