

# Converting Colors

XYZ(69.4024, 43.1766, 49.6575)

Have a look what the booklet for  
XYZ(69.4024, 43.1766, 49.6575)  
contains.

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# Color

**XYZ(55.4717, 36.0478,  
48.8340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6FB7
RGB	255, 111, 183
RGB Percent	100%, 44%, 72%
CMY	0.0000, 0.5647, 0.2824
CMYK	0.00, 0.56, 0.28, 0.00
HSL	330°, 100%, 72%
HSV	330°, 56%, 100%
XYZ	55.4717, 36.0478, 48.8340
YIQ	162.2640, 62.7120, 52.9200

# Conversions

## Conversions Part 2

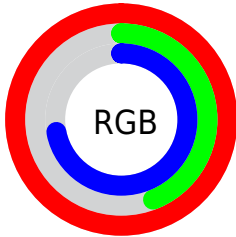
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 111, 183
Decimal	16740279
CIE <sub>Lab</sub>	66.56, 62.00, -10.75
CIE <sub>LCh</sub>	67, 62.923, 350.161
Yxy	36.0478, 0.3952, 0.2568
Android (android.graphics.Color)	4294930359 (0xFFFF6FB7)
YUV	162.2640, 10.2228, 81.3295
Hunter-Lab	60.0398, 59.8492, -6.1963

# Details

The XYZ color **55.4717, 36.0478, 48.8340** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **50.8646, 78.3192, 57.2400**, and the grayscale version is **34.4007, 36.1922, 39.4133**.

A 20% lighter version of the original color is **70.8226, 55.4973, 88.6406**, and **27.7629, 15.6698, 22.6804** is the 20% darker color. If you saturate the color by 10%, you get **51.8080, 30.7490, 41.3590**, and if you desaturate by 10%, it is **60.0514, 42.9860, 57.2083**.

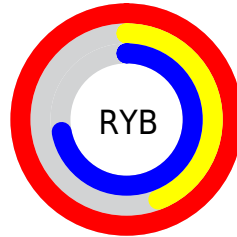
# Distribution



Red (100%)

Green (44%)

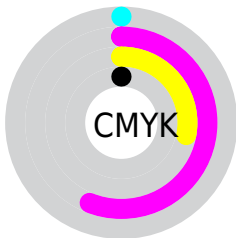
Blue (72%)



Red (100%)

Yellow (44%)

Blue (72%)

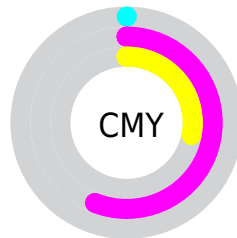


Cyan (0%)

Magenta (56%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (56%)

Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4717, 36.0478, 48.8340 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 55.4717, 36.0478, 48.8340 by changing the saturation by 10% instead.





 55.4717, 36.0478,  
48.8340

 55.4717, 36.0478,  
48.8340

397.8049,  
329.1694, 398.6921


 40.0148, 24.4711,  
34.1231

 97.3760, 69.1058,  
89.8233

 27.7344, 15.6835,  
22.7101

 124.5542, 91.3560,  
116.9388

 18.2650, 9.3004,  
14.1763


 156.3702,  
117.9327, 149.0263

 11.2412, 4.9377,  
8.1032

193.1894,  
149.2205, 186.5043

 6.2978, 2.2107,  
4.0724

235.3771,  
185.6036, 229.7913

 3.0694, 0.7258,  
1.6651

283.2986,

 1.1906, 0.0000,

227.4666, 279.3059

0.3367

337.3195,  
275.1937, 335.4667

■ 0.0989, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.4717, 36.0478,  
48.8340

■ 55.4717, 36.0478,  
48.8340

■ 51.8080, 30.7490,  
41.3590

■ 60.0514, 42.9860,  
57.2083

■ 48.9848, 26.9440,  
34.7413


■ 65.6088, 51.6823,  
66.5165


■ 46.9182, 24.4699,  
28.9370

■ 72.2031, 62.2505,  
76.7931

■ 45.5025, 23.1214,  
23.8938

■ 79.8880, 74.7932,  
88.0702

 45.1031, 22.8052,  
22.2726

 88.7132, 89.4055,  
100.3778

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.



50.1989, 36.0478, 82.9327



55.4717, 36.0478, 48.8340



54.3130, 36.0478, 23.9042

# Triad

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



55.4717, 36.0478, 48.8340



28.3721, 36.0478, 7.8587



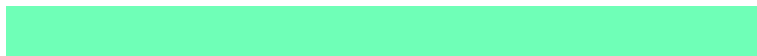
23.8877, 36.0478, 94.3205

# Complementary

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



55.4717, 36.0478, 48.8340



50.8646, 78.3192, 57.2400

# 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.



19.8759, 36.0478, 60.0624



55.4717, 36.0478, 48.8340



22.1156, 36.0478, 14.4553

# Square

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



55.4717, 36.0478, 48.8340



37.4631, 36.0478, 7.0580



19.2931, 36.0478, 31.0098



31.2493, 36.0478, 116.1197



# Rectangle

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



55.4717, 36.0478, 48.8340



50.1144, 36.0478, 14.3407



19.2931, 36.0478, 31.0098



22.1645, 36.0478, 83.3014

# Sweetspot

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



55.4726, 36.0496, 48.8347



79.4504, 74.0739, 87.4439



43.2647, 28.6584, 97.8591



16.6585, 15.2853, 18.2165



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.



55.4726, 36.0496, 48.8347



51.3227, 30.0726, 40.2901



49.7950, 33.7785, 18.9367



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620



# Inverse Universe

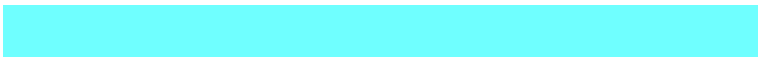
The Inverse Universe completely reimagines the original color for something new.



55.4726, 36.0496, 48.8347



51.3227, 30.0726, 40.2901



60.3666, 82.1200, 107.2768



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620



# Previews

## White Background



This preview shows how the XYZ color 55.4717, 36.0478, 48.8340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

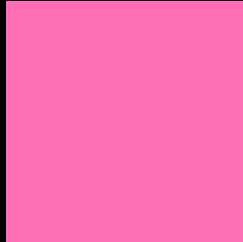
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.4717, 36.0478, 48.8340 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 55.4717, 36.0478, 48.8340**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.4717, 36.0478, 48.8340.



This preview shows how white text looks on a background with the XYZ color 55.4717, 36.0478,



# 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

55.4717, 36.0478, 48.8340

### Protanopia

36.9981, 36.3025, 70.0228

### Deuteranopia

37.0766, 36.3590, 46.1381



## Tritanopia

50.4806, 35.8818, 25.7380

# Trichromacy



## Original Color

55.4717, 36.0478, 48.8340



## Protanomaly

40.8218, 34.1447, 61.5658



## Deuteranomaly

42.0187, 34.8610, 47.1620



## Tritanomaly

52.1283, 35.8543, 33.0273

# Monochromacy



## Original Color

55.4717, 36.0478, 48.8340



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

39.8431, 34.2830, 42.5475

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.4717, 36.0478, 48.8340 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, 111, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 183)  
}
```

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, 111, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 55.4717, 36.0478, 48.8340 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, 111, 183) }
```



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

```
.border{ border-color:rgb(255, 111, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 183);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.4717, 36.0478, 48.8340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 183) }
```

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

```
.background{ background-color: rgb(255,  
111, 183) }
```

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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