

# Converting Colors

XYZ(58.9139, 43.9989, 46.6927)

Have a look what the booklet for  
XYZ(58.9139, 43.9989, 46.6927)  
contains.

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# Color

**XYZ(58.8989, 44.0395,  
46.4705)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF8FB0
RGB	255, 143, 176
RGB Percent	100%, 56%, 69%
CMY	0.0000, 0.4392, 0.3098
CMYK	0.00, 0.44, 0.31, 0.00
HSL	342°, 100%, 78%
HSV	342°, 44%, 100%
XYZ	58.8989, 44.0395, 46.4705
YIQ	180.2500, 56.1590, 34.0070

# Conversions

## Conversions Part 2

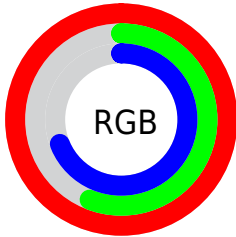
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 143, 176
Decimal	16748464
CIE Lab	72.25, 45.87, 1.58
CIE LCh	72, 45.896, 1.977
Yxy	44.0395, 0.3942, 0.2948
Android (android.graphics.Color)	4294938544 (0xFFFF8FB0)
YUV	180.2500, -2.0952, 65.5558
Hunter-Lab	66.3623, 42.2912, 4.9355

# Details

The XYZ color **58.8989, 44.0395, 46.4705** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.2745, 82.6345, 81.8847**, and the grayscale version is **43.5077, 45.7735, 49.8473**.

A 20% lighter version of the original color is **76.0872, 67.8764, 84.6925**, and **30.0592, 20.5033, 21.4420** is the 20% darker color. If you saturate the color by 10%, you get **53.8332, 36.5701, 36.5753**, and if you desaturate by 10%, it is **65.0727, 53.3474, 57.8995**.

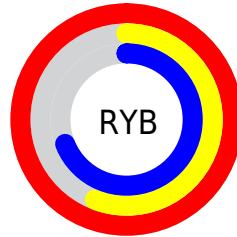
# Distribution



Red (100%)

Green (56%)

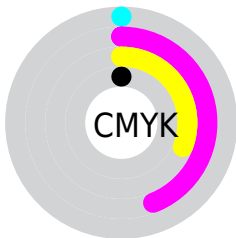
Blue (69%)



Red (100%)

Yellow (56%)

Blue (69%)

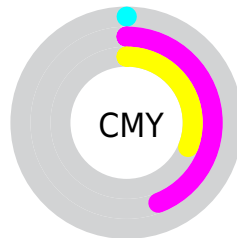


Cyan (0%)

Magenta (44%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (44%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8989, 44.0395, 46.4705 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 58.8989, 44.0395, 46.4705 by changing the saturation by 10% instead.





 58.8989, 44.0395,  
46.4705


 58.8989, 44.0395,  
46.4705


410.4272,  
362.8694, 389.0294

 42.7778, 30.7016,  
32.2659


 102.3462, 81.2772,  
86.2644

 29.9046, 20.3717,  
21.2982


 130.4031,  
105.9457, 112.6908

 19.9139, 12.6655,  
13.1488


163.1693,  
135.1599, 144.0282

 12.4404, 7.1986,  
7.3991

201.0101,  
169.3041, 180.6952

 7.1187, 3.5866,  
3.6307

244.2910,  
208.7628, 223.1102

 3.5834, 1.4451,  
1.4250

293.3772,

 1.4693, 0.2496,

253.9203, 271.6919

0.1611

348.6342,  
305.1611, 326.8588

■ 0.3048, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.8989, 44.0395,  
46.4705

■ 58.8989, 44.0395,  
46.4705

■ 53.8332, 36.5701,  
36.5753

■ 65.0727, 53.3474,  
57.8995

■ 49.8033, 30.8097,  
28.1430

■ 72.4140, 64.5990,  
70.9237

■ 46.7332, 26.6220,  
21.1003

■ 80.9818, 77.8991,  
85.6039

■ 44.5345, 23.8469,  
15.3660

■ 90.8302, 93.3433,  
101.9969

■ 43.1003, 22.2891, 95.0500, 100.0000,  
10.8481 108.9000

■ 42.5143, 21.7697,  
8.6403

# Harmonies

## Analogous

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



56.7075, 44.0395, 71.3631



58.8989, 44.0395, 46.4705



56.0701, 44.0395, 28.4483

# Triad

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



58.8989, 44.0395, 46.4705



34.3366, 44.0395, 19.7593



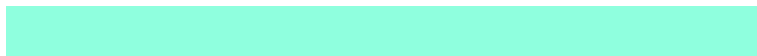
35.1359, 44.0395, 97.3581

# Complementary

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



58.8989, 44.0395, 46.4705



60.2745, 82.6345, 81.8847

# 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.



30.2769, 44.0395, 74.7955



58.8989, 44.0395, 46.4705



29.8578, 44.0395, 30.3179

# Square

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



58.8989, 44.0395, 46.4705



41.3378, 44.0395, 16.3457



28.4690, 44.0395, 49.4637



42.3830, 44.0395, 105.7013



# Rectangle

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



58.8989, 44.0395, 46.4705



51.9015, 44.0395, 21.2490



28.4690, 44.0395, 49.4637



33.2021, 44.0395, 90.8974

# Sweetspot

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



58.9001, 44.0417, 46.4713



81.8325, 79.2273, 87.0378



57.8149, 42.3024, 99.7257



17.0820, 16.2815, 17.8976



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.



58.9001, 44.0417, 46.4713



54.2544, 37.1833, 37.4224



59.7269, 50.3002, 32.5503



18.2295, 18.0751, 19.8257



22.2710, 11.3977, 4.8118



2.2138, 1.1279, 0.7074



# Inverse Universe

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



58.9001, 44.0417, 46.4713



54.2544, 37.1833, 37.4224



58.4051, 71.1127, 105.2556



18.2295, 18.0751, 19.8257



22.2710, 11.3977, 4.8118

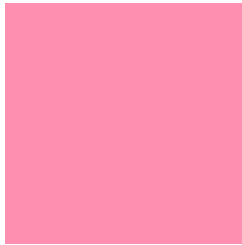


2.2138, 1.1279, 0.7074



# Previews

## White Background



This preview shows how the XYZ color 58.8989, 44.0395, 46.4705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

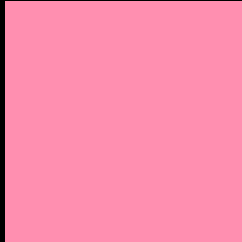
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.8989, 44.0395, 46.4705 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 58.8989, 44.0395, 46.4705**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.8989, 44.0395, 46.4705.



This preview shows how white text looks on a background with the XYZ color 58.8989, 44.0395,

46.4705.

# 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

58.8989, 44.0395, 46.4705

### Protanopia

43.1683, 44.1502, 58.4712

### Deuteranopia

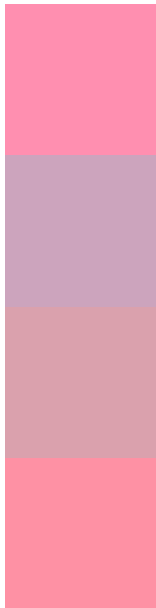
45.1292, 44.3156, 44.7033



## Tritanopia

56.8727, 43.8747, 37.3694

# Trichromacy



## Original Color

58.8989, 44.0395, 46.4705

## Protanomaly

47.3626, 43.0624, 53.9597

## Deuteranomaly

49.2011, 43.4123, 45.3214

## Tritanomaly

57.6993, 44.0020, 40.5741

# Monochromacy



## Original Color

58.8989, 44.0395, 46.4705

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

47.6875, 44.1575, 48.6577

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.8989, 44.0395, 46.4705 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, 143, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 176)  
}
```

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, 143, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 58.8989, 44.0395, 46.4705 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, 143, 176) }
```



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

```
.border{ border-color:rgb(255, 143, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.8989, 44.0395, 46.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 176) }
```

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

```
.background{ background-color: rgb(255,  
143, 176) }
```

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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