

Converting Colors

XYZ(46.9440, 23.4701, 48.3049)

Have a look what the booklet for
XYZ(46.9440, 23.4701, 48.3049)
contains.

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Color

**XYZ(47.0694, 23.5389,
48.5170)**

Conversions

Conversions Part 1

Format	Color
Hex	F611BA
RGB	246, 17, 186
RGB Percent	96%, 7%, 73%
CMY	0.0353, 0.9332, 0.2706
CMYK	0.00, 0.93, 0.24, 0.04
HSL	316°, 93%, 52%
HSV	316°, 93%, 96%
XYZ	47.0694, 23.5389, 48.5170
YIQ	104.7370, 82.2350, 101.1070

Conversions

Conversions Part 2

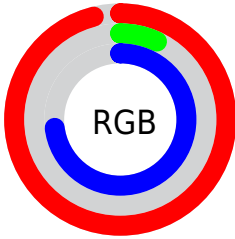
Format	Color
R _Y B	246, 17, 186
Decimal	16126394
CIE _{Lab}	55.62, 86.86, -29.27
CIE _{LCh}	56, 91.661, 341.377
Yxy	23.5389, 0.3951, 0.1976
Android (android.graphics.Color)	4294316474 (0xFFFF611BA)
YUV	104.7370, 40.0627, 123.8877
Hunter-Lab	48.5169, 88.2699, -25.3283

Details

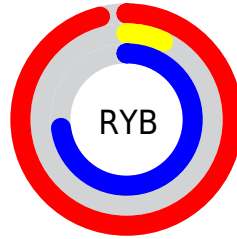
The XYZ color **47.0694, 23.5389, 48.5170** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **34.5286, 66.5677, 18.0572**, and the grayscale version is **13.2417, 13.9313, 15.1712**.

A 20% lighter version of the original color is **62.2173, 37.5714, 87.9772**, and **23.9320, 11.8563, 22.8569** is the 20% darker color. If you saturate the color by 10%, you get **46.4017, 22.9511, 45.9891**, and if you desaturate by 10%, it is **48.3854, 25.0489, 52.4139**.

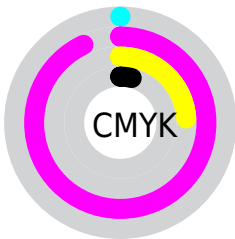
Distribution



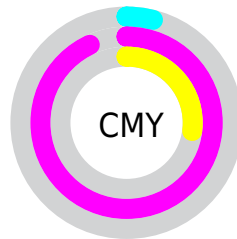
- Red (96%)
- Green (7%)
- Blue (73%)



- Red (96%)
- Yellow (7%)
- Blue (73%)



- Cyan (0%)
- Magenta (93%)
- Yellow (24%)
- Black (4%)





- Cyan (4%)
- Magenta (93%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0694, 23.5389, 48.5170 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 47.0694, 23.5389, 48.5170 by changing the saturation by 10% instead.


 47.0694, 23.5389,
48.5170


 47.0694, 23.5389,
48.5170


365.7358,
270.4809, 397.4054


 33.2987, 14.9919,
33.8736


 85.0353, 49.2767,
89.3472


 22.5157, 8.8137,
22.5199


 109.9612, 67.2363,
116.3711


 14.3550, 4.6199,
14.0375


 139.3363, 89.1023,
148.3589

 8.4514, 2.0260,
8.0077

 173.5258,
115.2590, 185.7291

 4.4393, 0.6225,
4.0120

 212.8952,
146.0908, 228.9004

 1.9535, 0.0000,
1.6319

257.8097,

 0.6077, 0.0000,

181.9821, 278.2911

0.3135

308.6348,
223.3174, 334.3200

■ 0.0000, 0.0000,
0.0000

■ 47.0694, 23.5389,
48.5170

■ 47.0694, 23.5389,
48.5170

■ 46.4017, 22.9511,
45.9891

■ 48.3854, 25.0489,
52.4139

■ 50.2647, 27.6358,
56.6529

■ 52.7939, 31.4716,
61.2650

■ 56.0437, 36.6972,
66.2755

■ 60.0752, 43.4343,
71.7068

64.9430, 51.7915,
77.5789

70.6966, 61.8673,
83.9099

77.3816, 73.7521,
90.7169

85.0404, 87.5303,
98.0158

Harmonies

Analogous

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



38.3000, 23.5389, 96.7377



47.0694, 23.5389, 48.5170



48.1478, 23.5389, 15.9396

Triad

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



47.0694, 23.5389, 48.5170



18.6677, 23.5389, 0.4224



10.5035, 23.5389, 84.8925

Complementary

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



47.0694, 23.5389, 48.5170



34.5286, 66.5677, 18.0572

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.



7.9713, 23.5389, 38.6170



47.0694, 23.5389, 48.5170



11.6165, 23.5389, 2.2285

Square

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



47.0694, 23.5389, 48.5170



29.3593, 23.5389, 0.6320



8.3034, 23.5389, 11.3830



16.5935, 23.5389, 126.6769

Rectangle

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



47.0694, 23.5389, 48.5170



44.0641, 23.5389, 5.9190



8.3034, 23.5389, 11.3830



9.3076, 23.5389, 68.3093

Sweetspot

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



47.0702, 23.5402, 48.5174



73.4799, 61.4480, 87.5654



19.6812, 8.5228, 87.7969



15.1696, 12.1787, 18.1169



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.



47.0702, 23.5402, 48.5174



50.3362, 24.8985, 49.8298



39.4526, 20.4932, 8.4041



17.0174, 16.6898, 19.8380



24.8280, 12.2747, 24.8666



2.2242, 1.0956, 2.4068

Inverse Universe

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



47.0702, 23.5402, 48.5174



50.3362, 24.8985, 49.8298



42.3470, 69.6950, 59.2281



17.0174, 16.6898, 19.8380



24.8280, 12.2747, 24.8666



2.2242, 1.0956, 2.4068

Previews

White Background



This preview shows how the XYZ color 47.0694, 23.5389, 48.5170 looks on a white background.

Color Contrast Check

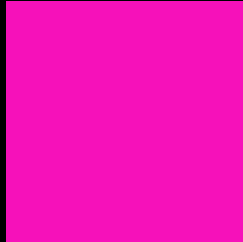
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.0694, 23.5389, 48.5170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

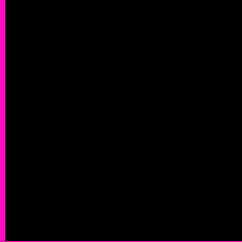
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.0694, 23.5389, 48.5170

Background



This preview shows how black text looks on a background with the XYZ color 47.0694, 23.5389, 48.5170.



This preview shows how white text looks on a background with the XYZ color 47.0694, 23.5389,

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

47.0694, 23.5389, 48.5170

Protanopia

28.1470, 24.2753, 97.8098

Deuteranopia

24.3487, 23.9185, 43.3778



Tritanopia

39.0838, 23.6248, 9.7078

Trichromacy



Original Color

47.0694, 23.5389, 48.5170



Protanomaly

27.0612, 17.6038, 76.8345



Deuteranomaly

28.0542, 18.9617, 44.3008



Tritanomaly

40.7596, 22.5313, 19.0303

Monochromacy



Original Color

47.0694, 23.5389, 48.5170



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

20.3959, 13.5542, 24.0955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0694, 23.5389, 48.5170 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(246, 17, 186)` looks like.

```
.text, #text, p{  
    color:rgb(246, 17, 186)  
}
```

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(246, 17, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 17, 186) }
```

Border

The CSS property to change the border of an element to XYZ 47.0694, 23.5389, 48.5170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

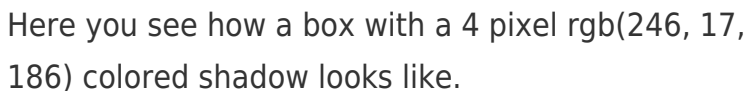
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(246, 17, 186) }
```


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

```
.border{ border-color:rgb(246, 17, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(246, 17, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 17, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 17, 186); box-shadow:4px 4px 4px 4px rgb(246, 17, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0694, 23.5389, 48.5170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 17, 186) }
```

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

```
.background{ background-color: rgb(246, 17,  
186) }
```

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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