

Converting Colors

XYZ(58.3036, 38.8695, 74.9833)

Have a look what the booklet for
XYZ(58.3036, 38.8695, 74.9833)
contains.

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Color

**XYZ(58.4201, 38.8937,
74.9492)**

Conversions

Conversions Part 1

Format	Color
Hex	F67AE0
RGB	246, 122, 224
RGB Percent	96%, 48%, 88%
CMY	0.0353, 0.5215, 0.1216
CMYK	0.00, 0.50, 0.09, 0.04
HSL	311°, 87%, 72%
HSV	311°, 50%, 96%
XYZ	58.4201, 38.8937, 74.9492
YIQ	170.7040, 41.1620, 58.0100

Conversions

Conversions Part 2

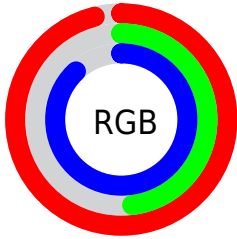
Format	Color
R _Y B	246, 122, 224
Decimal	16153312
CIE Lab	68.67, 60.14, -30.60
CIE LCh	69, 67.481, 333.034
Yxy	38.8937, 0.3391, 0.2258
Android (android.graphics.Color)	4294343392 (0xFFFF67AE0)
YUV	170.7040, 26.2749, 66.0346
Hunter-Lab	62.3648, 58.0711, -27.5986

Details

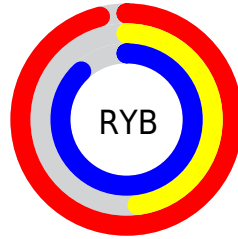
The XYZ color **58.4201, 38.8937, 74.9492** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.0176, 72.0641, 37.8726**, and the grayscale version is **38.4197, 40.4205, 44.0179**.

A 20% lighter version of the original color is **75.2104, 60.3208, 102.2868**, and **29.5096, 17.2884, 38.8274** is the 20% darker color. If you saturate the color by 10%, you get **55.1888, 33.3657, 70.9891**, and if you desaturate by 10%, it is **62.4334, 45.9600, 79.2457**.

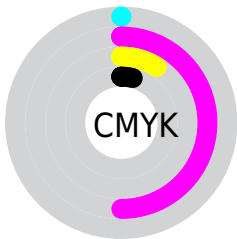
Distribution



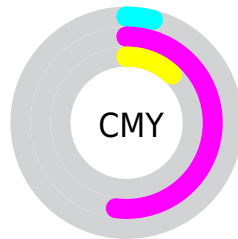
- Red (96%)
- Green (48%)
- Blue (88%)



- Red (96%)
- Yellow (48%)
- Blue (88%)



- Cyan (0%)
- Magenta (50%)
- Yellow (9%)
- Black (4%)





- Cyan (4%)
- Magenta (52%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.4201, 38.8937, 74.9492 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 58.4201, 38.8937, 74.9492 by changing the saturation by 10% instead.

 58.4201, 38.8937,
74.9492


 58.4201, 38.8937,
74.9492


408.6782,
341.4383, 496.9937


 42.3910, 26.6770,
55.0698


 101.6538, 73.4759,
127.9869

 29.6001, 17.3308,
39.0586


 129.5892, 96.6102,
161.9822

 19.6818, 10.4706,
26.4972


 162.2241,
124.1526, 201.5200

 12.2709, 5.7121,
16.9668

199.9238,
156.4873, 247.0187

 7.0019, 2.6708,
10.0491

243.0537,
193.9989, 298.8969

 3.5097, 0.9624,
5.3255

291.9792,

 1.4287, 0.0000,

237.0717, 357.5731

2.3774

347.0655,
286.0900, 423.4658

■ 0.2765, 0.0000,
0.7741

■ 0.0000, 0.0000,
0.0000

■ 58.4201, 38.8937,
74.9492

■ 58.4201, 38.8937,
74.9492

■ 55.1888, 33.3657,
70.9891

■ 62.4334, 45.9600,
79.2457

■ 52.6769, 29.2529,
67.3428


■ 67.2778, 54.6647,
83.8944


■ 50.8180, 26.4223,
63.9881


■ 73.0027, 65.1057,
88.9126


■ 49.5315, 24.7128,
60.8975


■ 79.6525, 77.3716,
94.3158

 48.7090, 23.8740,
58.1375

 87.2686, 91.5451,
100.1182

 91.0515, 98.0270,
104.7205

 91.7447, 98.3043,
108.3711

 91.8164, 98.3330,
108.7487

Harmonies

Analogous

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



49.3100, 38.8937, 113.1222



58.4201, 38.8937, 74.9492



61.4569, 38.8937, 39.3154

Triad

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



58.4201, 38.8937, 74.9492



35.8924, 38.8937, 6.6098



22.3039, 38.8937, 83.1064

Complementary

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



58.4201, 38.8937, 74.9492



46.0176, 72.0641, 37.8726

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.



20.0390, 38.8937, 45.5340



58.4201, 38.8937, 74.9492



26.8780, 38.8937, 9.7305

Square

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



58.4201, 38.8937, 74.9492



47.0668, 38.8937, 8.6103



21.5378, 38.8937, 20.9111



28.4270, 38.8937, 119.2131

Rectangle

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



58.4201, 38.8937, 74.9492



59.2303, 38.8937, 23.2759



21.5378, 38.8937, 20.9111



21.1258, 38.8937, 69.7332

Sweetspot

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



58.4214, 38.8955, 74.9500



82.9649, 77.5475, 99.5760



34.8660, 26.3849, 90.4448



17.4349, 16.0030, 21.0496



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.



58.4214, 38.8955, 74.9500



59.9746, 36.3560, 77.1485



51.6079, 36.1701, 39.0708



17.0800, 16.7149, 20.1681



26.0460, 12.7618, 31.2801



2.3215, 1.1346, 2.9194

Inverse Universe

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



58.4214, 38.8955, 74.9500



59.9746, 36.3560, 77.1485



51.9626, 74.4421, 69.1787



17.0800, 16.7149, 20.1681



26.0460, 12.7618, 31.2801



2.3215, 1.1346, 2.9194

Previews

White Background



This preview shows how the XYZ color 58.4201, 38.8937, 74.9492 looks on a white background.

Color Contrast Check

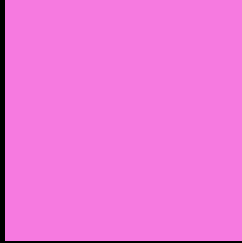
Large Text (above 18pt) WCAG AA × Fail

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 58.4201, 38.8937, 74.9492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

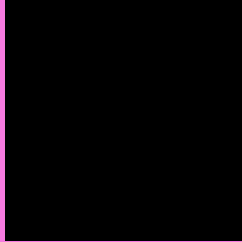
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.4201, 38.8937, 74.9492

Background



This preview shows how black text looks on a background with the XYZ color 58.4201, 38.8937, 74.9492.



This preview shows how white text looks on a background with the XYZ color 58.4201, 38.8937,

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

58.4201, 38.8937, 74.9492

Protanopia

41.6585, 39.3645, 100.0102

Deuteranopia

40.0801, 39.1891, 71.0975



Tritanopia

49.9173, 38.8123, 33.2944

Trichromacy



Original Color

58.4201, 38.8937, 74.9492



Protanomaly

44.9811, 37.2567, 90.4084



Deuteranomaly

44.9009, 37.6093, 72.6029



Tritanomaly

52.4996, 38.6104, 45.7598

Monochromacy



Original Color

58.4201, 38.8937, 74.9492



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

43.9742, 38.5059, 53.8299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4201, 38.8937, 74.9492 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, 122, 224)` looks like.

```
.text, #text, p{  
    color:rgb(246, 122, 224)  
}
```

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, 122, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 122, 224) }
```

Border

The CSS property to change the border of an element to XYZ 58.4201, 38.8937, 74.9492 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, 122, 224) }
```


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

```
.border{ border-color:rgb(246, 122, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 122, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 122, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 122, 224);  
box-shadow:4px 4px 4px 4px rgb(246, 122,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4201, 38.8937, 74.9492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 122, 224) }
```

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

```
.background{ background-color: rgb(246,  
122, 224) }
```

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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