

Converting Colors

XYZ(61.1233, 38.5238, 77.9309)

Have a look what the booklet for
XYZ(61.1233, 38.5238, 77.9309)
contains.

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Color

**XYZ(61.0378, 38.4498,
77.6033)**

Conversions

Conversions Part 1

Format	Color
Hex	FF70E4
RGB	255, 112, 228
RGB Percent	100%, 44%, 89%
CMY	0.0000, 0.5608, 0.1059
CMYK	0.00, 0.56, 0.11, 0.00
HSL	311°, 100%, 72%
HSV	311°, 56%, 100%
XYZ	61.0378, 38.4498, 77.6033
YIQ	167.9810, 47.9920, 66.3920

Conversions

Conversions Part 2

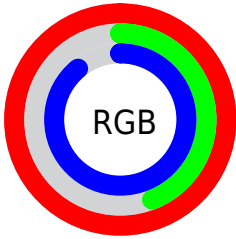
Format	Color
R _Y B	255, 112, 228
Decimal	16740580
CIE Lab	68.35, 67.80, -33.22
CIE LCh	68, 75.496, 333.897
Yxy	38.4498, 0.3447, 0.2171
Android (android.graphics.Color)	4294930660 (0xFFFF70E4)
YUV	167.9810, 29.5894, 76.3157
Hunter-Lab	62.0079, 67.1936, -30.7963

Details

The XYZ color **61.0378, 38.4498, 77.6033** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.1037, 76.8295, 36.7755**, and the grayscale version is **37.0544, 38.9842, 42.4537**.

A 20% lighter version of the original color is **73.4780, 56.8559, 101.7093**, and **31.1801, 17.0366, 40.6748** is the 20% darker color. If you saturate the color by 10%, you get **57.9528, 33.3346, 73.3233**, and if you desaturate by 10%, it is **64.9396, 45.1685, 82.2484**.

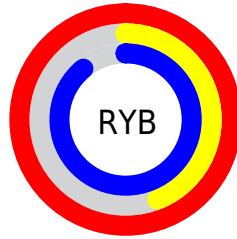
Distribution



Red (100%)

Green (44%)

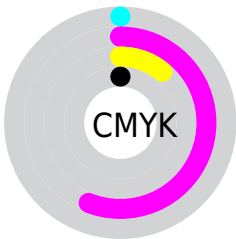
Blue (89%)



Red (100%)

Yellow (44%)

Blue (89%)

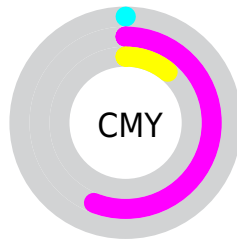


Cyan (0%)

Magenta (56%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.0378, 38.4498, 77.6033 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 61.0378, 38.4498, 77.6033 by changing the saturation by 10% instead.


 61.0378, 38.4498,
77.6033


 61.0378, 38.4498,
77.6033

418.1863,
339.5456, 506.3107


 44.5083, 26.3320,
57.2336


 105.4315, 72.7970,
131.7715

 31.2700, 17.0722,
40.7822


 134.0264, 95.7953,
166.4072

 20.9573, 10.2860,
27.8306


 167.3738,
123.1890, 206.6353

 13.2051, 5.5890,
17.9600

205.8391,
155.3628, 252.8743

 7.6479, 2.5968,
10.7522

249.7877,
192.7010, 305.5428

 3.9204, 0.9251,
5.7884

299.5848,

 1.6572, 0.0000,

235.5879, 365.0593

2.6501

355.5959,
284.4079, 431.8425

■ 0.4292, 0.0000,
0.9182

■ 0.0000, 0.0000,
0.0000

■ 61.0378, 38.4498,
77.6033

■ 61.0378, 38.4498,
77.6033

■ 57.9528, 33.3346,
73.3233

■ 64.9396, 45.1685,
82.2484

■ 55.6126, 29.6797,
69.3822

■ 69.7168, 53.6083,
87.2774

■ 53.9370, 27.3245,
65.7530

■ 75.4257, 63.8811,
92.7102

■ 52.8252, 26.0679,
62.4013

■ 82.1170, 76.0882,
98.5646

■ 52.4844, 25.7578,
61.1421

■ 89.8377, 90.3234,
104.8567

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.



50.7686, 38.4498, 122.6512



61.0378, 38.4498, 77.6033



64.2885, 38.4498, 37.5891

Triad

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



61.0378, 38.4498, 77.6033



35.0200, 38.4498, 4.6906



20.7188, 38.4498, 89.7691

Complementary

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



61.0378, 38.4498, 77.6033



47.1037, 76.8295, 36.7755

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.



18.2129, 38.4498, 46.4541



61.0378, 38.4498, 77.6033



25.2627, 38.4498, 7.7170

Square

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



61.0378, 38.4498, 77.6033



47.5050, 38.4498, 6.3690



19.6770, 38.4498, 19.2318



27.4160, 38.4498, 131.9483

Rectangle

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



61.0378, 38.4498, 77.6033



61.5609, 38.4498, 20.6187



19.6770, 38.4498, 19.2318



19.4328, 38.4498, 74.2198

Sweetspot

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



61.0386, 38.4514, 77.6040



81.4560, 74.8761, 98.0053



34.3630, 24.2322, 97.4739



17.1339, 15.4754, 20.7197



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.



61.0386, 38.4514, 77.6040



57.7063, 32.9377, 72.9451



53.1454, 35.2941, 36.0388



18.6369, 18.2381, 21.9711



27.4769, 13.4800, 32.2253



2.7115, 1.3270, 3.3282

Inverse Universe

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



61.0386, 38.4514, 77.6040



57.7063, 32.9377, 72.9451



54.0409, 79.6044, 73.3063



18.6369, 18.2381, 21.9711



27.4769, 13.4800, 32.2253



2.7115, 1.3270, 3.3282

Previews

White Background



This preview shows how the XYZ color 61.0378, 38.4498, 77.6033 looks on a white background.

Color Contrast Check

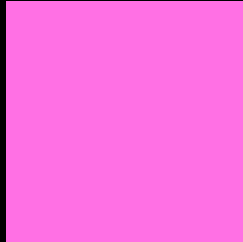
Large Text (above 18pt) WCAG AA × Fail

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 61.0378, 38.4498, 77.6033 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 61.0378, 38.4498, 77.6033

Background



This preview shows how black text looks on a background with the XYZ color 61.0378, 38.4498, 77.6033.



This preview shows how white text looks on a background with the XYZ color 61.0378, 38.4498,

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

61.0378, 38.4498, 77.6033

Protanopia

41.1570, 38.8393, 99.9353

Deuteranopia

39.5792, 38.6340, 72.3889



Tritanopia

51.3515, 38.3511, 30.6826

Trichromacy



Original Color

61.0378, 38.4498, 77.6033



Protanomaly

44.9669, 36.3083, 91.0244



Deuteranomaly

44.7961, 36.6011, 73.8109



Tritanomaly

54.0405, 37.8630, 44.5044

Monochromacy



Original Color

61.0378, 38.4498, 77.6033



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

43.7036, 37.1769, 53.5876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.0378, 38.4498, 77.6033 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, 112, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 228)  
}
```

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, 112, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 228) }
```

Border

The CSS property to change the border of an element to XYZ 61.0378, 38.4498, 77.6033 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, 112, 228) }
```


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

```
.border{ border-color:rgb(255, 112, 228) }
```

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

Here you see how a box with a 4 pixel rgb(255, 112, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 61.0378, 38.4498, 77.6033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 228) }
```

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

```
.background{ background-color: rgb(255,  
112, 228) }
```

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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