

Converting Colors

XYZ(72.6969, 45.1644, 77.1598)

Have a look what the booklet for
XYZ(72.6969, 45.1644, 77.1598)
contains.

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Color

**XYZ(61.2129, 39.2418,
76.2997)**

Conversions

Conversions Part 1

Format	Color
Hex	FF74E2
RGB	255, 116, 226
RGB Percent	100%, 45%, 89%
CMY	0.0000, 0.5451, 0.1137
CMYK	0.00, 0.55, 0.11, 0.00
HSL	313°, 100%, 73%
HSV	313°, 55%, 100%
XYZ	61.2129, 39.2418, 76.2997
YIQ	170.1010, 47.5340, 63.6780

Conversions

Conversions Part 2

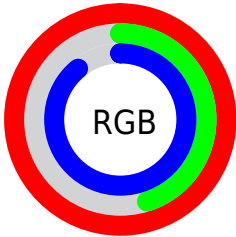
Format	Color
R _Y B	255, 116, 226
Decimal	16741602
CIE Lab	68.93, 65.73, -31.22
CIE LCh	69, 72.766, 334.593
Yxy	39.2418, 0.3463, 0.2220
Android (android.graphics.Color)	4294931682 (0xFFFF74E2)
YUV	170.1010, 27.5582, 74.4564
Hunter-Lab	62.6433, 64.7985, -28.3651

Details

The XYZ color **61.2129, 39.2418, 76.2997** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.0747, 77.2780, 39.1730**, and the grayscale version is **38.1105, 40.0952, 43.6637**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **31.2245, 17.4306, 39.7489** is the 20% darker color. If you saturate the color by 10%, you get **57.9477, 33.8616, 71.6654**, and if you desaturate by 10%, it is **65.3090, 46.2473, 81.3237**.

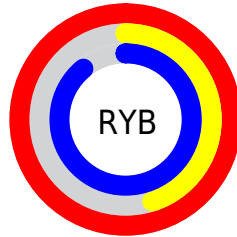
Distribution



Red (100%)

Green (45%)

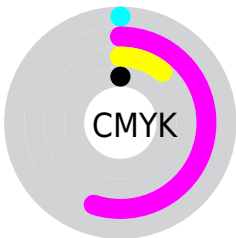
Blue (89%)



Red (100%)

Yellow (45%)

Blue (89%)

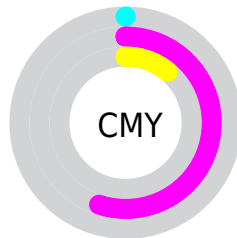


Cyan (0%)

Magenta (55%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.2129, 39.2418, 76.2997 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 61.2129, 39.2418, 76.2997 by changing the saturation by 10% instead.


 61.2129, 39.2418,
76.2997


 61.2129, 39.2418,
76.2997


418.8176,
342.9174, 501.7471


 44.6502, 26.9479,
56.1702


 105.6835, 74.0076,
129.9144

 31.3821, 17.5341,
39.9345


 134.3221, 97.2482,
164.2367

 21.0432, 10.6160,
27.1741


 167.7168,
124.9065, 204.1270

 13.2682, 5.8093,
17.4704

206.2328,
157.3669, 250.0038

 7.6918, 2.7294,
10.4049

250.2355,
195.0139, 302.2856

 3.9485, 0.9922,
5.5592

300.0903,

 1.6730, 0.0000,

238.2316, 361.3911

2.5145

356.1626,
287.4047, 427.7388

■ 0.4393, 0.0000,
0.8478

■ 0.0000, 0.0000,
0.0000

■ 61.2129, 39.2418,
76.2997

■ 61.2129, 39.2418,
76.2997

■ 57.9477, 33.8616,
71.6654

■ 65.3090, 46.2473,
81.3237

■ 55.4428, 29.9662,
67.3948

■ 70.2937, 54.9935,
86.7562

■ 53.6201, 27.3997,
63.4614

■ 76.2224, 65.5908,
92.6171

■ 52.3828, 25.9685,
59.8319

■ 83.1453, 78.1393,
98.9241

■ 51.8767, 25.5147,
57.9419

■ 91.1089, 92.7316,
105.6936

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.



51.4050, 39.2418, 119.5445



61.2129, 39.2418, 76.2997



64.1525, 39.2418, 37.8269

Triad

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



61.2129, 39.2418, 76.2997



35.5452, 39.2418, 5.4911



21.8208, 39.2418, 90.0570

Complementary

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



61.2129, 39.2418, 76.2997



48.0747, 77.2780, 39.1730

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.



19.2299, 39.2418, 48.0344



61.2129, 39.2418, 76.2997



26.0416, 39.2418, 8.8158

Square

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



61.2129, 39.2418, 76.2997



47.6782, 39.2418, 7.1519



20.5984, 39.2418, 20.8102



28.5459, 39.2418, 129.9616

Rectangle

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



61.2129, 39.2418, 76.2997



61.3989, 39.2418, 21.3220



20.5984, 39.2418, 20.8102



20.5087, 39.2418, 75.0989

Sweetspot

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



61.2138, 39.2434, 76.3005



82.0467, 76.1382, 97.9535



35.7639, 25.6242, 97.6687



17.2452, 15.7220, 20.6832



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.



61.2138, 39.2434, 76.3005



57.8070, 33.6359, 71.4465



53.6324, 36.2109, 36.3774



18.6208, 18.2316, 21.8861



27.1630, 13.3545, 30.5725



2.6836, 1.3158, 3.1812

Inverse Universe

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



61.2138, 39.2434, 76.3005



57.8070, 33.6359, 71.4465



55.0120, 80.0529, 75.7044



18.6208, 18.2316, 21.8861



27.1630, 13.3545, 30.5725



2.6836, 1.3158, 3.1812

Previews

White Background



This preview shows how the XYZ color 61.2129, 39.2418, 76.2997 looks on a white background.

Color Contrast Check

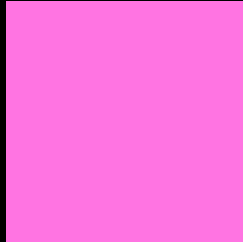
Large Text (above 18pt) WCAG AA × Fail

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 61.2129, 39.2418, 76.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

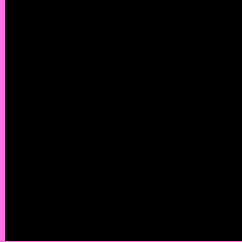
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.2129, 39.2418, 76.2997

Background



This preview shows how black text looks on a background with the XYZ color 61.2129, 39.2418, 76.2997.



This preview shows how white text looks on a background with the XYZ color 61.2129, 39.2418,

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

61.2129, 39.2418, 76.2997

Protanopia

42.0027, 39.8108, 100.0782

Deuteranopia

40.5892, 39.7053, 71.8543



Tritanopia

51.7808, 38.9651, 31.5799

Trichromacy



Original Color

61.2129, 39.2418, 76.2997



Protanomaly

45.7414, 37.4148, 90.3989



Deuteranomaly

45.8892, 37.8696, 73.2976



Tritanomaly

54.4261, 38.6341, 44.6330

Monochromacy



Original Color

61.2129, 39.2418, 76.2997



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

44.2880, 37.9479, 53.7056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.2129, 39.2418, 76.2997 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, 116, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 226)  
}
```

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, 116, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 226) }
```

Border

The CSS property to change the border of an element to XYZ 61.2129, 39.2418, 76.2997 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, 116, 226) }
```


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

```
.border{ border-color:rgb(255, 116, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 61.2129, 39.2418, 76.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 226) }
```

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

```
.background{ background-color: rgb(255,  
116, 226) }
```

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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