

Converting Colors

XYZ(74.7963, 46.3869, 74.3922)

Have a look what the booklet for
XYZ(74.7963, 46.3869, 74.3922)
contains.

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Color

**XYZ(60.7861, 39.2565,
73.4807)**

Conversions

Conversions Part 1

Format	Color
Hex	FF75DE
RGB	255, 117, 222
RGB Percent	100%, 46%, 87%
CMY	0.0000, 0.5411, 0.1294
CMYK	0.00, 0.54, 0.13, 0.00
HSL	314°, 100%, 73%
HSV	314°, 54%, 100%
XYZ	60.7861, 39.2565, 73.4807
YIQ	170.2320, 48.5430, 61.9110

Conversions

Conversions Part 2

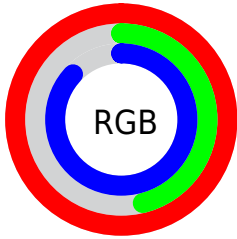
Format	Color
R _Y B	255, 117, 222
Decimal	16741854
CIE _{Lab}	68.94, 64.68, -28.99
CIE _{LCh}	69, 70.875, 335.859
Yxy	39.2565, 0.3503, 0.2262
Android (android.graphics.Color)	4294931934 (0xFFFF75DE)
YUV	170.2320, 25.5216, 74.3415
Hunter-Lab	62.6550, 63.5293, -25.6758

Details

The XYZ color **60.7861, 39.2565, 73.4807** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.6026, 77.5046, 41.2551**, and the grayscale version is **38.1852, 40.1738, 43.7493**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **31.0447, 17.5201, 38.3047** is the 20% darker color. If you saturate the color by 10%, you get **57.4067, 33.7820, 68.3947**, and if you desaturate by 10%, it is **65.0059, 46.3642, 78.9936**.

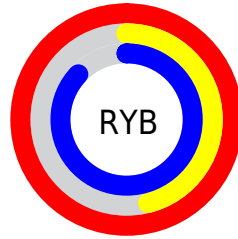
Distribution



Red (100%)

Green (46%)

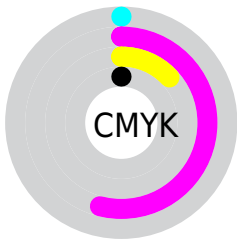
Blue (87%)



Red (100%)

Yellow (46%)

Blue (87%)

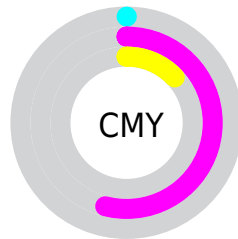


Cyan (0%)

Magenta (54%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.7861, 39.2565, 73.4807 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 60.7861, 39.2565, 73.4807 by changing the saturation by 10% instead.


 60.7861, 39.2565,
73.4807


 60.7861, 39.2565,
73.4807


417.2777,
342.9798, 491.7945

 44.3044, 26.9593,
53.8749


 105.0690, 74.0300,
125.8866

 31.1089, 17.5427,
38.1092


 133.6010, 97.2751,
159.5238

 20.8340, 10.6222,
25.7649


 166.8805,
124.9383, 198.6753

 13.1145, 5.8134,
16.4237

205.2728,
157.4041, 243.7594

 7.5850, 2.7319,
9.6669

249.1434,
195.0567, 295.1949

 3.8801, 0.9934,
5.0759

298.8575,

 1.6345, 0.0000,

238.2806, 353.4002

2.2324

354.7805,
287.4601, 418.7939

■ 0.4148, 0.0000,
0.6930

■ 0.0000, 0.0000,
0.0000

■ 60.7861, 39.2565,
73.4807

■ 60.7861, 39.2565,
73.4807

■ 57.4067, 33.7820,
68.3947

■ 65.0059, 46.3642,
78.9936

■ 54.7972, 29.8007,
63.7092

■ 70.1235, 55.2197,
84.9527

■ 52.8799, 27.1576,
59.3973

■ 76.1943, 65.9333,
91.3783

■ 51.5589, 25.6610,
55.4253

■ 83.2683, 78.6047,
98.2887

■ 50.9798, 25.1559,
53.2193

■ 91.3920, 93.3264,
105.7006

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.



51.5004, 39.2565, 115.3502



60.7861, 39.2565, 73.4807



63.2868, 39.2565, 36.7159

Triad

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



60.7861, 39.2565, 73.4807



35.1433, 39.2565, 5.9599



22.3610, 39.2565, 90.3803

Complementary

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



60.7861, 39.2565, 73.4807



48.6026, 77.5046, 41.2551

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.



19.6403, 39.2565, 49.3975



60.7861, 39.2565, 73.4807



26.0031, 39.2565, 9.5953

Square

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



60.7861, 39.2565, 73.4807



46.8949, 39.2565, 7.4402



20.8250, 39.2565, 22.0545



29.1328, 39.2565, 128.0719

Rectangle

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



60.7861, 39.2565, 73.4807



60.4065, 39.2565, 20.9868



20.8250, 39.2565, 22.0545



21.0118, 39.2565, 75.9287

Sweetspot

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



60.7870, 39.2582, 73.4815



81.8558, 76.0619, 96.9481



36.8441, 26.3531, 97.7525



17.1994, 15.7037, 20.4419



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.



60.7870, 39.2582, 73.4815



57.1457, 33.3714, 67.9641



53.4186, 36.3108, 34.6801



18.5960, 18.2217, 21.7557



26.6994, 13.1691, 28.1314



2.6421, 1.2992, 2.9628

Inverse Universe

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



60.7870, 39.2582, 73.4815



57.1457, 33.3714, 67.9641



55.7784, 80.3749, 79.0423



18.5960, 18.2217, 21.7557



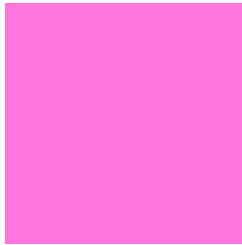
26.6994, 13.1691, 28.1314



2.6421, 1.2992, 2.9628

Previews

White Background



This preview shows how the XYZ color 60.7861, 39.2565, 73.4807 looks on a white background.

Color Contrast Check

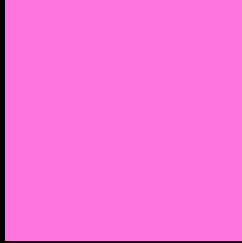
Large Text (above 18pt) WCAG AA × Fail

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 60.7861, 39.2565, 73.4807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

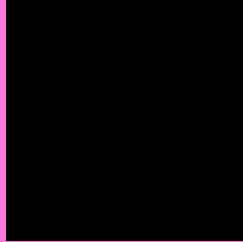
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.7861, 39.2565, 73.4807

Background



This preview shows how black text looks on a background with the XYZ color 60.7861, 39.2565, 73.4807.



This preview shows how white text looks on a background with the XYZ color 60.7861, 39.2565,

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

60.7861, 39.2565, 73.4807

Protanopia

42.0027, 39.8108, 100.0782

Deuteranopia

40.2907, 39.3424, 69.0886



Tritanopia

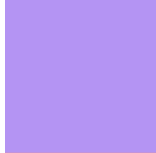
52.1326, 39.1464, 31.5964

Trichromacy



Original Color

60.7861, 39.2565, 73.4807



Protanomaly

45.5900, 37.3542, 89.6012



Deuteranomaly

45.6200, 37.7917, 70.5357



Tritanomaly

54.6863, 38.7795, 44.1381

Monochromacy



Original Color

60.7861, 39.2565, 73.4807



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

44.3393, 38.2248, 53.1853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.7861, 39.2565, 73.4807 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, 117, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 222)  
}
```

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, 117, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 222) }
```

Border

The CSS property to change the border of an element to XYZ 60.7861, 39.2565, 73.4807 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, 117, 222) }
```


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

```
.border{ border-color:rgb(255, 117, 222) }
```

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

Here you see how a box with a 4 pixel rgb(255, 117, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 60.7861, 39.2565, 73.4807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 222) }
```

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

```
.background{ background-color: rgb(255,  
117, 222) }
```

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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