

Converting Colors

XYZ(59.0668, 35.9944, 72.3637)

Have a look what the booklet for
XYZ(59.0668, 35.9944, 72.3637)
contains.

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Color

**XYZ(59.0425, 35.9832,
72.2402)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66DD
RGB	255, 102, 221
RGB Percent	100%, 40%, 87%
CMY	0.0000, 0.6000, 0.1333
CMYK	0.00, 0.60, 0.13, 0.00
HSL	313°, 100%, 70%
HSV	313°, 60%, 100%
XYZ	59.0425, 35.9832, 72.2402
YIQ	161.3130, 52.9890, 69.4450

Conversions

Conversions Part 2

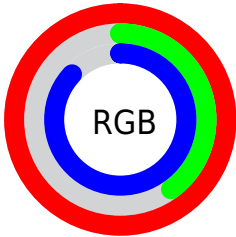
Format	Color
R _Y B	255, 102, 221
Decimal	16738013
CIE _{Lab}	66.51, 70.99, -32.18
CIE _{LCh}	67, 77.944, 335.613
Yxy	35.9832, 0.3530, 0.2151
Android (android.graphics.Color)	4294928093 (0xFFFF66DD)
YUV	161.3130, 29.4257, 82.1635
Hunter-Lab	59.9860, 70.7169, -29.4118

Details

The XYZ color **59.0425, 35.9832, 72.2402** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.6848, 76.1230, 35.5806**, and the grayscale version is **33.8734, 35.6374, 38.8091**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **30.0502, 15.6784, 37.5188** is the 20% darker color. If you saturate the color by 10%, you get **56.1683, 31.4226, 67.6199**, and if you desaturate by 10%, it is **62.7144, 42.0980, 77.2530**.

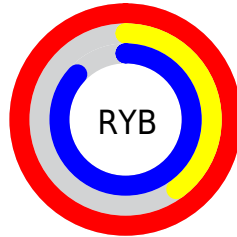
Distribution



Red (100%)

Green (40%)

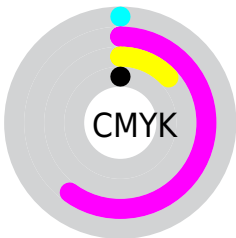
Blue (87%)



Red (100%)

Yellow (40%)

Blue (87%)

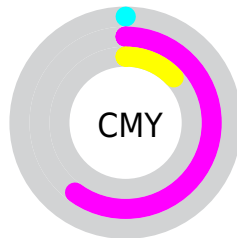


Cyan (0%)

Magenta (60%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.0425, 35.9832, 72.2402 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 59.0425, 35.9832, 72.2402 by changing the saturation by 10% instead.


 59.0425, 35.9832,
72.2402

 59.0425, 35.9832,
72.2402

410.9509,
328.8871, 487.3772


 42.8938, 24.4212,
52.8669

 102.5537, 69.0061,
124.1089


 29.9960, 15.6464,
37.3095


 130.6470, 91.2359,
157.4413

 19.9836, 9.2743,
25.1496


 163.4524,
117.7903, 196.2638

 12.4913, 4.9205,
15.9685

 201.3355,
149.0539, 240.9950

 7.1538, 2.2007,
9.3477

244.6616,
185.4110, 292.0534

 3.6056, 0.7204,
4.8688

293.7959,

 1.4815, 0.0000,

227.2459, 349.8576

2.1131

349.1039,
274.9432, 414.8260

■ 0.3132, 0.0000,
0.6235

■ 0.0000, 0.0000,
0.0000

■ 59.0425, 35.9832,
72.2402

■ 59.0425, 35.9832,
72.2402

■ 56.1683, 31.4226,
67.6199

■ 62.7144, 42.0980,
77.2530

■ 54.0156, 28.2649,
63.3642

■ 67.2455, 49.8902,
82.6787

■ 52.4977, 26.3368,
59.4434

■ 72.6944, 59.4764,
88.5385

■ 51.4716, 25.3528,
55.8086

■ 79.1135, 70.9609,
94.8510

■ 51.4713, 25.3525,
55.8075

■ 86.5512, 84.4405,
101.6335

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.



49.0380, 35.9832, 118.3213



59.0425, 35.9832, 72.2402



61.8169, 35.9832, 33.2116

Triad

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



59.0425, 35.9832, 72.2402



32.0481, 35.9832, 3.6833



18.9833, 35.9832, 89.9203

Complementary

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



59.0425, 35.9832, 72.2402



45.6848, 76.1230, 35.5806

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.



16.3478, 35.9832, 45.8229



59.0425, 35.9832, 72.2402



22.7063, 35.9832, 6.6819

Square

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



59.0425, 35.9832, 72.2402



44.3514, 35.9832, 4.9257



17.5361, 35.9832, 18.1506



25.7310, 35.9832, 131.9773

Rectangle

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



59.0425, 35.9832, 72.2402



58.7501, 35.9832, 17.4125



17.5361, 35.9832, 18.1506



17.6668, 35.9832, 74.1359

Sweetspot

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



59.0434, 35.9848, 72.2409



80.5159, 73.4904, 96.1674



32.8190, 21.8881, 97.1028



16.7992, 14.9467, 20.1745



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.



59.0434, 35.9848, 72.2409



55.6818, 30.6827, 66.7391



51.1304, 32.8196, 30.5720



18.6097, 18.2272, 21.8279



26.9536, 13.2707, 29.4696



2.6649, 1.3083, 3.0827

Inverse Universe

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



59.0434, 35.9848, 72.2409



55.6818, 30.6827, 66.7391



53.0802, 79.0812, 74.5242



18.6097, 18.2272, 21.8279



26.9536, 13.2707, 29.4696



2.6649, 1.3083, 3.0827

Previews

White Background



This preview shows how the XYZ color 59.0425, 35.9832, 72.2402 looks on a white background.

Color Contrast Check

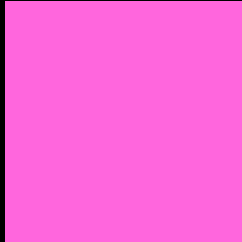
Large Text (above 18pt) WCAG AA × Fail

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 59.0425, 35.9832, 72.2402 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 59.0425, 35.9832, 72.2402

Background



This preview shows how black text looks on a background with the XYZ color 59.0425, 35.9832, 72.2402.



This preview shows how white text looks on a background with the XYZ color 59.0425, 35.9832,

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

59.0425, 35.9832, 72.2402

Protanopia

39.0523, 36.4519, 99.5854

Deuteranopia

37.0443, 36.1290, 67.3085



Tritanopia

49.4473, 35.7016, 26.4752

Trichromacy



Original Color

59.0425, 35.9832, 72.2402



Protanomaly

42.4997, 33.5323, 89.0264



Deuteranomaly

42.3405, 33.9021, 68.6021



Tritanomaly

52.1038, 35.3471, 39.6738

Monochromacy



Original Color

59.0425, 35.9832, 72.2402



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

40.4310, 33.7772, 49.1884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0425, 35.9832, 72.2402 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, 102, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 221)  
}
```

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, 102, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 221) }
```

Border

The CSS property to change the border of an element to XYZ 59.0425, 35.9832, 72.2402 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, 102, 221) }
```


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

```
.border{ border-color:rgb(255, 102, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0425, 35.9832, 72.2402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 221) }
```

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

```
.background{ background-color: rgb(255,  
102, 221) }
```

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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