

Converting Colors

XYZ(59.1564, 35.5655, 74.2680)

Have a look what the booklet for
XYZ(59.1564, 35.5655, 74.2680)
contains.

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Color

**XYZ(59.1564, 35.5655,
74.2680)**

Conversions

Conversions Part 1

Format	Color
Hex	FF63E0
RGB	255, 99, 224
RGB Percent	100%, 39%, 88%
CMY	0.0000, 0.6117, 0.1216
CMYK	0.00, 0.61, 0.12, 0.00
HSL	312°, 100%, 69%
HSV	312°, 61%, 100%
XYZ	59.1564, 35.5655, 74.2680
YIQ	159.8940, 52.8510, 71.9470

Conversions

Conversions Part 2

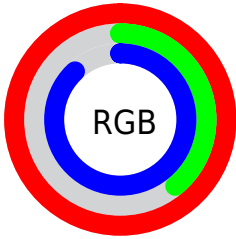
Format	Color
R _Y B	255, 99, 224
Decimal	16737248
CIE Lab	66.19, 72.65, -34.35
CIE LCh	66, 80.358, 334.692
Yxy	35.5655, 0.3501, 0.2105
Android (android.graphics.Color)	4294927328 (0xFFFF63E0)
YUV	159.8940, 31.6043, 83.4080
Hunter-Lab	59.6368, 72.6976, -32.0903

Details

The XYZ color **59.1564, 35.5655, 74.2680** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **44.9362, 75.7850, 33.3812**, and the grayscale version is **33.2083, 34.9378, 38.0472**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **30.0635, 15.4092, 38.4355** is the 20% darker color. If you saturate the color by 10%, you get **56.4334, 31.2030, 70.0202**, and if you desaturate by 10%, it is **62.6638, 41.4639, 78.8792**.

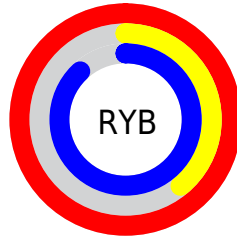
Distribution



Red (100%)

Green (39%)

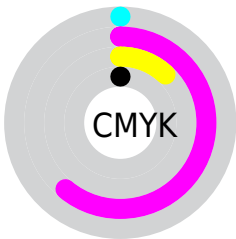
Blue (88%)



Red (100%)

Yellow (39%)

Blue (88%)

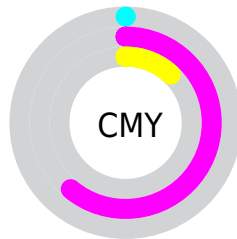


Cyan (0%)

Magenta (61%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.1564, 35.5655, 74.2680 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 59.1564, 35.5655, 74.2680 by changing the saturation by 10% instead.


 59.1564, 35.5655,
74.2680

 59.1564, 35.5655,
74.2680

411.3660,
327.0574, 494.5859

 42.9859, 24.0988,
54.5153


 102.7183, 68.3609,
127.0132


 30.0685, 15.4069,
38.6178


 130.8403, 90.4584,
160.8428

 20.0389, 9.1055,
26.1570


 163.6770,
116.8683, 200.2017

 12.5318, 4.8100,
16.7143

 201.5935,
147.9750, 245.5086

 7.1817, 2.1362,
9.8712

244.9553,
184.1628, 297.1819

 3.6233, 0.6849,
5.2092

294.1278,

 1.4913, 0.0000,

225.8163, 355.6402

2.3096

349.4762,
273.3197, 421.3020

■ 0.3199, 0.0000,
0.7366

■ 0.0000, 0.0000,
0.0000

■ 59.1564, 35.5655,
74.2680

■ 59.1564, 35.5655,
74.2680

■ 56.4334, 31.2030,
70.0202

■ 62.6638, 41.4639,
78.8792

■ 54.4177, 28.2227,
66.1079


■ 67.0184, 49.0235,
83.8743


■ 53.0204, 26.4469,
62.5010

■ 72.2790, 58.3620,
89.2742

■ 52.1782, 25.6353,
59.5296

■ 78.4987, 69.5850,
95.0974

 85.7263, 82.7900,
101.3609

 94.0073, 98.0675,
108.0809

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.



48.6602, 35.5655, 122.0793



59.1564, 35.5655, 74.2680



62.3050, 35.5655, 33.5820

Triad

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



59.1564, 35.5655, 74.2680



31.9570, 35.5655, 3.1832



18.1978, 35.5655, 89.6279

Complementary

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



59.1564, 35.5655, 74.2680



44.9362, 75.7850, 33.3812

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.



15.6696, 35.5655, 44.3676



59.1564, 35.5655, 74.2680



22.3285, 35.5655, 5.8874

Square

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



59.1564, 35.5655, 74.2680



44.6224, 35.5655, 4.4819



16.9808, 35.5655, 16.8369



24.8927, 35.5655, 134.0359

Rectangle

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



59.1564, 35.5655, 74.2680



59.3084, 35.5655, 17.2082



16.9808, 35.5655, 16.8369



16.9148, 35.5655, 73.2810

Sweetspot

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



59.1572, 35.5670, 74.2687



80.6809, 73.5564, 97.0366



31.3556, 20.7039, 96.9514



16.8399, 14.9630, 20.3888



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.



59.1572, 35.5670, 74.2687



56.0148, 30.5602, 69.2813



51.0800, 32.3361, 31.7348



18.6288, 18.2348, 21.9286



27.3187, 13.4168, 31.3927



2.6975, 1.3214, 3.2543

Inverse Universe

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



59.1572, 35.5670, 74.2687



56.0148, 30.5602, 69.2813



51.9988, 78.6100, 70.5723



18.6288, 18.2348, 21.9286



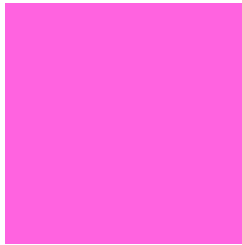
27.3187, 13.4168, 31.3927



2.6975, 1.3214, 3.2543

Previews

White Background



This preview shows how the XYZ color 59.1564, 35.5655, 74.2680 looks on a white background.

Color Contrast Check

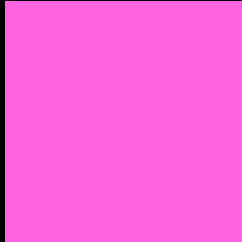
Large Text (above 18pt) WCAG AA × Fail

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 59.1564, 35.5655, 74.2680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

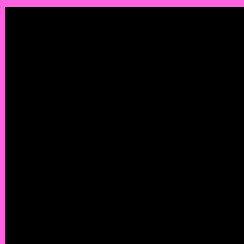
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.1564, 35.5655, 74.2680

Background



This preview shows how black text looks on a background with the XYZ color 59.1564, 35.5655, 74.2680.



This preview shows how white text looks on a background with the XYZ color 59.1564, 35.5655,

74.2680.

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

59.1564, 35.5655, 74.2680

Protanopia

38.5890, 35.9588, 99.5146

Deuteranopia

36.5684, 35.8544, 68.6116



Tritanopia

49.2539, 35.4247, 26.0715

Trichromacy



Original Color

59.1564, 35.5655, 74.2680



Protanomaly

42.2881, 33.1936, 89.7661



Deuteranomaly

41.8502, 33.3924, 70.5693



Tritanomaly

51.8758, 34.8910, 39.5978

Monochromacy



Original Color

59.1564, 35.5655, 74.2680



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

40.1414, 33.1980, 49.0919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1564, 35.5655, 74.2680 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, 99, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 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(255, 99, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 224) }
```

Border

The CSS property to change the border of an element to XYZ 59.1564, 35.5655, 74.2680 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, 99, 224) }
```


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

```
.border{ border-color:rgb(255, 99, 224) }
```

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

Here you see how a box with a 4 pixel rgb(255, 99, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1564, 35.5655, 74.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 224) }
```

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

```
.background{ background-color: rgb(255, 99,  
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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