

Converting Colors

XYZ(59.4326, 37.3063, 70.6962)

Have a look what the booklet for
XYZ(59.4326, 37.3063, 70.6962)
contains.

XYZ(59.3635, 37.2592, 70.3926)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.3635, 37.2592,
70.3926)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6DDA
RGB	255, 109, 218
RGB Percent	100%, 43%, 85%
CMY	0.0000, 0.5725, 0.1451
CMYK	0.00, 0.57, 0.15, 0.00
HSL	315°, 100%, 71%
HSV	315°, 57%, 100%
XYZ	59.3635, 37.2592, 70.3926
YIQ	165.0800, 52.0270, 64.8510

Conversions

Conversions Part 2

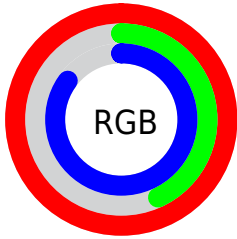
Format	Color
R _Y B	255, 109, 218
Decimal	16739802
CIE Lab	67.47, 67.61, -29.02
CIE LCh	67, 73.572, 336.768
Yxy	37.2592, 0.3554, 0.2231
Android (android.graphics.Color)	4294929882 (0xFFFF6DDA)
YUV	165.0800, 26.0896, 78.8598
Hunter-Lab	61.0403, 66.7759, -25.6459

Details

The XYZ color **59.3635, 37.2592, 70.3926** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.2564, 76.8472, 39.5392**, and the grayscale version is **35.6652, 37.5226, 40.8621**.

A 20% lighter version of the original color is **72.9262, 55.7524, 101.5254**, and **30.1735, 16.3604, 36.2179** is the 20% darker color. If you saturate the color by 10%, you get **56.1977, 32.2546, 65.2461**, and if you desaturate by 10%, it is **63.3529, 43.8578, 75.9771**.

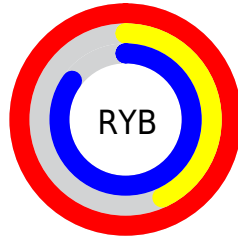
Distribution



Red (100%)

Green (43%)

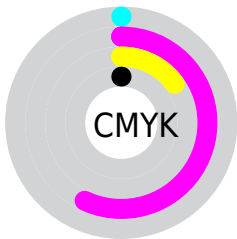
Blue (85%)



Red (100%)

Yellow (43%)

Blue (85%)

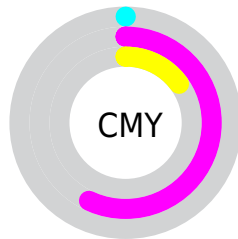


Cyan (0%)

Magenta (57%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (57%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3635, 37.2592, 70.3926 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 59.3635, 37.2592, 70.3926 by changing the saturation by 10% instead.


 59.3635, 37.2592,
70.3926

 59.3635, 37.2592,
70.3926

412.1201,
334.4314, 480.7536


 43.1533, 25.4082,
51.3679

 103.0174, 70.9713,
121.4548

 30.2005, 16.3815,
36.1227


 131.1918, 93.6011,
154.3294

 20.1396, 9.7945,
24.2385


 164.0850,
120.5928, 192.6577

 12.6054, 5.2629,
15.2968

202.0623,
152.3306, 236.8582

 7.2325, 2.4023,
8.8790

245.4891,
189.1990, 287.3495

 3.6556, 0.8271,
4.5666

294.7308,

 1.5092, 0.0000,

231.5823, 344.5502

1.9411

350.1527,
279.8650, 408.8787

■ 0.3321, 0.0000,
0.5187

■ 0.0000, 0.0000,
0.0000

■ 59.3635, 37.2592,
70.3926

■ 59.3635, 37.2592,
70.3926

■ 56.1977, 32.2546,
65.2461

■ 63.3529, 43.8578,
75.9771

■ 53.7820, 28.6983,
60.5101

■ 68.2254, 52.1695,
82.0202

■ 52.0342, 26.4261,
56.1558

■ 74.0382, 62.3077,
88.5429

■ 50.8472, 25.2246,
52.1455

■ 80.8426, 74.3748,
95.5641

■ 50.5753, 24.9941,
51.0889

■ 88.6862, 88.4653,
103.1015

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.



50.0746, 37.2592, 113.6070



59.3635, 37.2592, 70.3926



61.6647, 37.2592, 33.6690

Triad

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



59.3635, 37.2592, 70.3926



32.9145, 37.2592, 4.8417



20.7058, 37.2592, 90.3711

Complementary

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



59.3635, 37.2592, 70.3926



47.2564, 76.8472, 39.5392

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.



17.9244, 37.2592, 48.3525



59.3635, 37.2592, 70.3926



23.9364, 37.2592, 8.3525

Square

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



59.3635, 37.2592, 70.3926



44.6929, 37.2592, 6.0477



18.9666, 37.2592, 20.6431



27.5170, 37.2592, 128.8072

Rectangle

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



59.3635, 37.2592, 70.3926



58.5674, 37.2592, 18.5034



18.9666, 37.2592, 20.6431



19.3427, 37.2592, 75.5386

Sweetspot

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



59.3644, 37.2608, 70.3933



81.0273, 74.7046, 95.7477



35.2858, 24.2246, 97.4238



17.0319, 15.4347, 20.1827



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.



59.3644, 37.2608, 70.3933



55.7234, 31.5327, 64.3894



51.8593, 34.2588, 30.8722



18.5844, 18.2171, 21.6948



26.4901, 13.0853, 27.0292



2.6233, 1.2917, 2.8636

Inverse Universe

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



59.3644, 37.2608, 70.3933



55.7234, 31.5327, 64.3894



54.7883, 79.8599, 79.2014



18.5844, 18.2171, 21.6948



26.4901, 13.0853, 27.0292



2.6233, 1.2917, 2.8636

Previews

White Background



This preview shows how the XYZ color 59.3635, 37.2592, 70.3926 looks on a white background.

Color Contrast Check

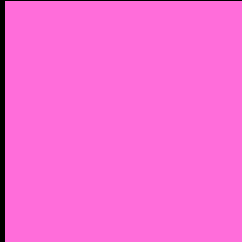
Large Text (above 18pt) WCAG AA × Fail

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 59.3635, 37.2592, 70.3926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

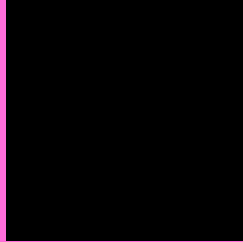
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.3635, 37.2592, 70.3926

Background



This preview shows how black text looks on a background with the XYZ color 59.3635, 37.2592, 70.3926.



This preview shows how white text looks on a background with the XYZ color 59.3635, 37.2592,

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

59.3635, 37.2592, 70.3926

Protanopia

40.3304, 37.8860, 99.7948

Deuteranopia

38.3336, 37.6122, 65.5611



Tritanopia

50.7955, 37.3096, 28.5690

Trichromacy



Original Color

59.3635, 37.2592, 70.3926



Protanomaly

43.7540, 35.2858, 88.5092



Deuteranomaly

43.6984, 35.7358, 66.8819



Tritanomaly

53.3589, 37.0331, 40.8950

Monochromacy



Original Color

59.3635, 37.2592, 70.3926



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

42.0658, 35.7173, 50.0244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3635, 37.2592, 70.3926 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, 109, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 218)  
}
```

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, 109, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 218) }
```

Border

The CSS property to change the border of an element to XYZ 59.3635, 37.2592, 70.3926 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, 109, 218) }
```


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

```
.border{ border-color:rgb(255, 109, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3635, 37.2592, 70.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 218) }
```

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

```
.background{ background-color: rgb(255,  
109, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor