

# Converting Colors

XYZ(57.0516, 36.0136, 59.2071)

Have a look what the booklet for  
XYZ(57.0516, 36.0136, 59.2071)  
contains.

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# Color

**XYZ(57.0403, 35.9924,  
59.1992)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6BC9
RGB	255, 107, 201
RGB Percent	100%, 42%, 79%
CMY	0.0000, 0.5804, 0.2118
CMYK	0.00, 0.58, 0.21, 0.00
HSL	322°, 100%, 71%
HSV	322°, 58%, 100%
XYZ	57.0403, 35.9924, 59.1992
YIQ	161.9680, 58.0340, 60.6100

# Conversions

## Conversions Part 2

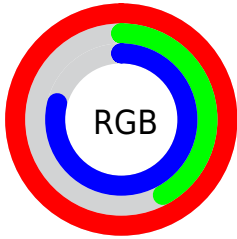
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 107, 201
Decimal	16739273
CIE Lab	66.51, 66.08, -20.97
CIE LCh	67, 69.329, 342.394
Yxy	35.9924, 0.3747, 0.2364
Android (android.graphics.Color)	4294929353 (0xFFFF6BC9)
YUV	161.9680, 19.2428, 81.5891
Hunter-Lab	59.9937, 64.7239, -16.5093

# Details

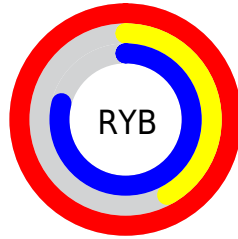
The XYZ color **57.0403, 35.9924, 59.1992** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.2580, 77.2197, 46.0829**, and the grayscale version is **34.2227, 36.0050, 39.2094**.

A 20% lighter version of the original color is **72.5655, 55.0309, 101.4052**, and **28.7491, 15.6627, 29.1117** is the 20% darker color. If you saturate the color by 10%, you get **53.7011, 31.0129, 52.8486**, and if you desaturate by 10%, it is **61.2312, 42.5689, 66.1616**.

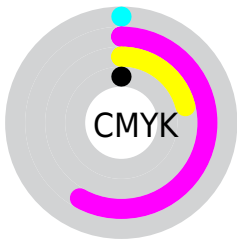
# Distribution



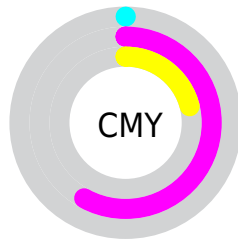
- Red (100%)
- Green (42%)
- Blue (79%)



- Red (100%)
- Yellow (42%)
- Blue (79%)



- Cyan (0%)
- Magenta (58%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (58%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.0403, 35.9924, 59.1992 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 57.0403, 35.9924, 59.1992 by changing the saturation by 10% instead.





 57.0403, 35.9924,  
59.1992


 57.0403, 35.9924,  
59.1992


403.6120,  
328.9273, 439.3621


 41.2779, 24.4283,  
42.3524

 99.6550, 69.0203,  
105.1991


 28.7249, 15.6517,  
29.0497

 127.2380, 91.2530,  
135.1893

 19.0160, 9.2780,  
18.8725


 159.4919,  
117.8106, 170.3977

 11.7859, 4.9230,  
11.4023

 196.7820,  
149.0776, 211.2429

 6.6693, 2.2021,  
6.2206

239.4737,  
185.4384, 258.1434

 3.3006, 0.7212,  
2.9087

287.9324,

 1.3147, 0.0000,

227.2774, 311.5178

1.0482

342.5234,  
274.9789, 371.7845

■ 0.1941, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.0403, 35.9924,  
59.1992

■ 57.0403, 35.9924,  
59.1992

■ 53.7011, 31.0129,  
52.8486

■ 61.2312, 42.5689,  
66.1616

■ 51.1386, 27.4827,  
47.0779

■ 66.3348, 50.8630,  
73.7606

■ 49.2685, 25.2350,  
41.8536

■ 72.4092, 60.9891,  
82.0214

■ 47.9756, 24.0412,  
37.1311

■ 79.5071, 73.0506,  
90.9669

■ 47.7577, 23.8671,  
36.2515

■ 87.6769, 87.1429,  
100.6184

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.



49.5482, 35.9924, 98.5581



57.0403, 35.9924, 59.1992



57.7049, 35.9924, 28.1338

# Triad

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



57.0403, 35.9924, 59.1992



30.0930, 35.9924, 5.6396



21.4601, 35.9924, 91.9008

# Complementary

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



57.0403, 35.9924, 59.1992



48.2580, 77.2197, 46.0829

# 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.



18.1544, 35.9924, 52.8179



57.0403, 35.9924, 59.1992



22.4166, 35.9924, 10.2781

# Square

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



57.0403, 35.9924, 59.1992



40.6245, 35.9924, 6.0181



18.4648, 35.9924, 24.2888



28.5084, 35.9924, 123.0936



# Rectangle

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



57.0403, 35.9924, 59.1992



54.0349, 35.9924, 15.8113



18.4648, 35.9924, 24.2888



19.9453, 35.9924, 78.5952

# Sweetspot

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



57.0412, 35.9941, 59.1999



80.3030, 74.4149, 91.9339



37.5679, 25.0880, 97.4702



16.8601, 15.3659, 19.2778



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.



57.0412, 35.9941, 59.1999



53.1390, 30.2100, 51.6705



50.4747, 33.3675, 24.6212



18.4949, 18.1813, 21.2235



25.0287, 12.5008, 19.3333



2.4895, 1.2382, 2.1591



# Inverse Universe

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



57.0412, 35.9941, 59.1999



53.1390, 30.2100, 51.6705



56.5039, 80.5181, 89.5054



18.4949, 18.1813, 21.2235



25.0287, 12.5008, 19.3333



2.4895, 1.2382, 2.1591



# Previews

## White Background



This preview shows how the XYZ color 57.0403, 35.9924, 59.1992 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

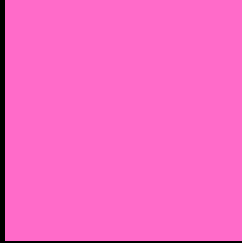
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.0403, 35.9924, 59.1992 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

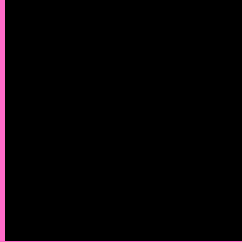
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 57.0403, 35.9924, 59.1992

## Background



This preview shows how black text looks on a background with the XYZ color 57.0403, 35.9924, 59.1992.



This preview shows how white text looks on a background with the XYZ color 57.0403, 35.9924,



# 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

57.0403, 35.9924, 59.1992

### Protanopia

38.1180, 36.2384, 87.4238

### Deuteranopia

36.9568, 36.0905, 55.4704



## Tritanopia

49.9592, 35.7883, 26.1045

# Trichromacy



## Original Color

57.0403, 35.9924, 59.1992



## Protanomaly

41.6960, 33.8309, 76.2839



## Deuteranomaly

41.9614, 34.1865, 56.6116



## Tritanomaly

52.2308, 35.6661, 36.0297

# Monochromacy



## Original Color

57.0403, 35.9924, 59.1992



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

40.2744, 34.2164, 45.5560

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.0403, 35.9924, 59.1992 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, 107, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 201)  
}
```

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, 107, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 57.0403, 35.9924, 59.1992 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, 107, 201) }
```



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

```
.border{ border-color:rgb(255, 107, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.0403, 35.9924, 59.1992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 201) }
```

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

```
.background{ background-color: rgb(255,  
107, 201) }
```

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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