

# Converting Colors

XYZ(50.0079, 27.4543, 39.8172)

Have a look what the booklet for  
XYZ(50.0079, 27.4543, 39.8172)  
contains.

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# Color

**XYZ(49.9766, 27.4246,  
39.7052)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FF3DA8                     |
| RGB         | 255, 61, 168               |
| RGB Percent | 100%, 24%, 66%             |
| CMY         | 0.0000, 0.7607, 0.3412     |
| CMYK        | 0.00, 0.76, 0.34, 0.00     |
| HSL         | 327°, 100%, 62%            |
| HSV         | 327°, 76%, 100%            |
| XYZ         | 49.9766, 27.4246, 39.7052  |
| YIQ         | 131.2040, 81.2770, 74.4050 |

# Conversions

## Conversions Part 2

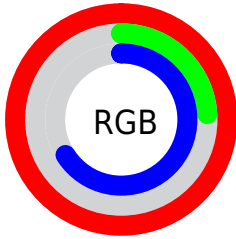
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 255, 61, 168                   |
| Decimal                             | 16727464                       |
| CIE Lab                             | 59.37, 78.71, -12.95           |
| CIE LCh                             | 59, 79.772, 350.660            |
| Yxy                                 | 27.4246, 0.4268,<br>0.2342     |
| Android<br>(android.graphics.Color) | 4294917544<br>(0xFFFF3DA8)     |
| YUV                                 | 131.2040, 18.1404,<br>108.5691 |
| Hunter-Lab                          | 52.3685, 78.7022,<br>-8.2950   |

# Details

The XYZ color **49.9766, 27.4246, 39.7052** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **43.0316, 74.6511, 40.1634**, and the grayscale version is **21.5652, 22.6883, 24.7076**.

A 20% lighter version of the original color is **62.0201, 41.5094, 74.5553**, and **25.1447, 12.5984, 17.6295** is the 20% darker color. If you saturate the color by 10%, you get **47.9049, 24.9120, 33.9872**, and if you desaturate by 10%, it is **52.7899, 31.2702, 46.1332**.

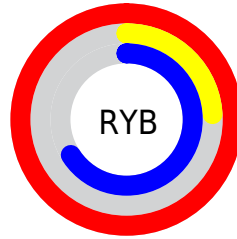
# Distribution



Red (100%)

Green (24%)

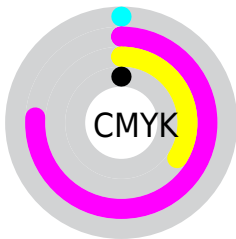
Blue (66%)



Red (100%)

Yellow (24%)

Blue (66%)

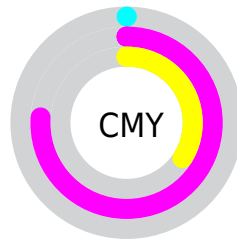


Cyan (0%)

Magenta (76%)

Yellow (34%)

Black (0%)



Cyan (0%)

Magenta (76%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9766, 27.4246, 39.7052 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 49.9766, 27.4246, 39.7052 by changing the saturation by 10% instead.





 49.9766, 27.4246,  
39.7052


 49.9766, 27.4246,  
39.7052


377.0279,  
289.7071, 360.3945


 35.6125, 17.8924,  
26.9967


 89.3322, 55.5645,  
75.9466


 24.3038, 10.8727,  
17.3384


 115.0545, 74.9409,  
100.3165

 15.6851, 5.9813,  
10.3115


 145.2936, 98.3675,  
129.4108

 9.3910, 2.8337,  
5.4977

 180.4147,  
126.2287, 163.6478

 5.0562, 1.0456,  
2.4783

 220.7834,  
158.9088, 203.4461

 2.3154, 0.0000,  
0.8286

266.7649,

 0.8025, 0.0000,

196.7924, 249.2243

0.0000

318.7247,  
240.2637, 301.4010

■ 0.0000, 0.0000,  
0.0000

■ 49.9766, 27.4246,  
39.7052

■ 49.9766, 27.4246,  
39.7052

■ 47.9049, 24.9120,  
33.9872

■ 52.7899, 31.2702,  
46.1332

■ 46.4694, 23.5257,  
28.9315

■ 56.4256, 36.6073,  
53.3089

■ 46.0207, 23.1723,  
27.1051

■ 60.9562, 43.5766,  
61.2677

■ 66.4447, 52.3012,  
70.0413

■ 72.9485, 62.8924,  
79.6590

■ 80.5203, 75.4520,  
90.1484

■ 89.2088, 90.0747,  
101.5356

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.



43.9167, 27.4246, 80.0514



49.9766, 27.4246, 39.7052



48.4789, 27.4246, 14.3567

# Triad

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



49.9766, 27.4246, 39.7052



19.8612, 27.4246, 2.3015



15.6898, 27.4246, 95.7844

# Complementary

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



49.9766, 27.4246, 39.7052



43.0316, 74.6511, 40.1634

# 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.



11.9107, 27.4246, 53.7702



49.9766, 27.4246, 39.7052



13.8569, 27.4246, 6.8054

# Square

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



49.9766, 27.4246, 39.7052



29.3087, 27.4246, 1.8296



11.3385, 27.4246, 21.7949



23.0722, 27.4246, 123.6376



# Rectangle

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



49.9766, 27.4246, 39.7052



43.5155, 27.4246, 6.4498



11.3385, 27.4246, 21.7949



14.0443, 27.4246, 81.9382

# Sweetspot

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



49.9774, 27.4261, 39.7057



75.1595, 66.5381, 82.7886



31.4096, 16.5854, 96.1536



15.5332, 13.3287, 16.9345



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.



49.9774, 27.4261, 39.7057



47.1256, 24.1029, 31.4168



44.1437, 25.0926, 8.9857



18.4287, 18.1548, 20.8745



24.1232, 12.1386, 14.5653



2.4039, 1.2039, 1.7082



# Inverse Universe

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



49.9774, 27.4261, 39.7057



47.1256, 24.1029, 31.4168



53.7225, 78.9274, 96.4607



18.4287, 18.1548, 20.8745



24.1232, 12.1386, 14.5653



2.4039, 1.2039, 1.7082



# Previews

## White Background



This preview shows how the XYZ color 49.9766, 27.4246, 39.7052 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

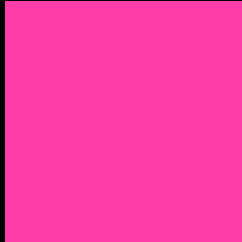
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.9766, 27.4246, 39.7052 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 × Fail

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

**XYZ 49.9766, 27.4246, 39.7052**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.9766, 27.4246, 39.7052.



This preview shows how white text looks on a background with the XYZ color 49.9766, 27.4246,



# 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

49.9766, 27.4246, 39.7052

### Protanopia

29.6542, 27.8882, 73.6320

### Deuteranopia

27.9819, 27.4179, 36.1651



## Tritanopia

44.1186, 27.3580, 12.4065

# Trichromacy



## Original Color

49.9766, 27.4246, 39.7052



## Protanomaly

32.0907, 23.8995, 59.4216



## Deuteranomaly

32.9451, 24.6689, 37.2076



## Tritanomaly

45.6381, 26.9861, 19.9430

# Monochromacy



## Original Color

49.9766, 27.4246, 39.7052



## Achromatopsia

21.5731, 22.6966, 24.7166



## Achromatomaly

28.0926, 21.5518, 29.0648

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.9766, 27.4246, 39.7052 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, 61, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 168)  
}
```

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, 61, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 49.9766, 27.4246, 39.7052 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, 61, 168) }
```



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

```
.border{ border-color:rgb(255, 61, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 61, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.9766, 27.4246, 39.7052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 168) }
```

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

```
.background{ background-color: rgb(255, 61,  
168) }
```

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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