

# Converting Colors

XYZ(103.1272, 55.4519,  
36.7405)

Have a look what the booklet for  
XYZ(103.1272, 55.4519, 36.7405)  
contains.

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# Color

**XYZ(49.2479, 27.6746,  
34.1986)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF439C
RGB	255, 67, 156
RGB Percent	100%, 26%, 61%
CMY	0.0000, 0.7372, 0.3882
CMYK	0.00, 0.74, 0.39, 0.00
HSL	332°, 100%, 63%
HSV	332°, 74%, 100%
XYZ	49.2479, 27.6746, 34.1986
YIQ	133.3580, 83.4790, 67.5350

# Conversions

## Conversions Part 2

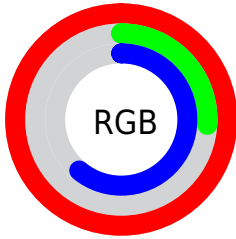
Format	Color
R <sub>Y</sub> B	255, 67, 156
Decimal	16728988
CIE Lab	59.59, 75.76, -5.62
CIE LCh	60, 75.967, 355.760
Yxy	27.6746, 0.4432, 0.2490
Android (android.graphics.Color)	4294919068 (0xFFFF439C)
YUV	133.3580, 11.1625, 106.6800
Hunter-Lab	52.6067, 75.0417, -1.7187

# Details

The XYZ color **49.2479, 27.6746, 34.1986** 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 **44.9596, 75.4673, 48.2792**, and the grayscale version is **22.3660, 23.5308, 25.6250**.

A 20% lighter version of the original color is **60.8555, 41.8784, 65.8487**, and **24.5421, 12.3574, 14.4563** is the 20% darker color. If you saturate the color by 10%, you get **46.9763, 24.8518, 28.1377**, and if you desaturate by 10%, it is **52.3135, 31.8841, 41.1449**.

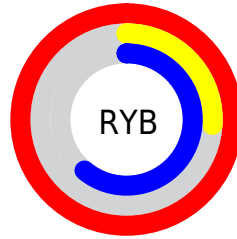
# Distribution



Red (100%)

Green (26%)

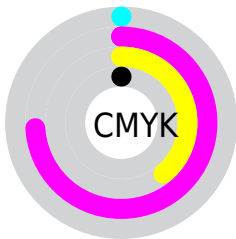
Blue (61%)



Red (100%)

Yellow (26%)

Blue (61%)

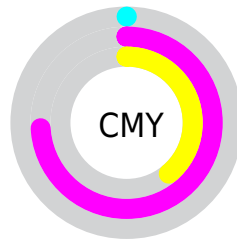


Cyan (0%)

Magenta (74%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (74%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2479, 27.6746, 34.1986 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 49.2479, 27.6746, 34.1986 by changing the saturation by 10% instead.




 49.2479, 27.6746,  
34.1986


 49.2479, 27.6746,  
34.1986


374.2182,  
290.9087, 335.8128


 35.0315, 18.0805,  
22.7676


 88.2580, 55.9645,  
67.3798


 23.8538, 11.0078,  
14.2183


 113.7825, 75.4291,  
89.9671


 15.3493, 6.0721,  
8.1322


 143.8070, 98.9527,  
117.1103

 9.1528, 2.8890,  
4.0907

 178.6970,  
126.9196, 149.2278

 4.8989, 1.0740,  
1.6752

 218.8177,  
159.7143, 186.7383

 2.2222, 0.0000,  
0.3437

264.5346,

 0.7544, 0.0000,

197.7211, 230.0603

0.0000

316.2130,  
241.3245, 279.6123

■ 0.0000, 0.0000,  
0.0000

■ 49.2479, 27.6746,  
34.1986

■ 49.2479, 27.6746,  
34.1986

■ 46.9763, 24.8518,  
28.1377

■ 52.3135, 31.8841,  
41.1449

■ 45.3974, 23.2197,  
22.9077

■ 56.2524, 37.6329,  
49.0216

■ 44.6734, 22.6333,  
20.0101

■ 61.1362, 45.0578,  
57.8712

■ 67.0279, 54.2797,  
67.7321

■ 73.9850, 65.4077,  
78.6406

82.0605, 78.5426,  
90.6305

91.3036, 93.7778,  
103.7342

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.



44.6329, 27.6746, 70.5648



49.2479, 27.6746, 34.1986



46.5960, 27.6746, 12.5445

# Triad

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



49.2479, 27.6746, 34.1986



19.0909, 27.6746, 3.2307



17.2508, 27.6746, 98.0508

# Complementary

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



49.2479, 27.6746, 34.1986



44.9596, 75.4673, 48.2792

# 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.



12.9701, 27.6746, 59.3229



49.2479, 27.6746, 34.1986



13.8377, 27.6746, 9.1463

# Square

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



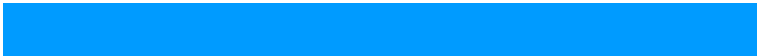
49.2479, 27.6746, 34.1986



27.6876, 27.6746, 2.2123



11.8917, 27.6746, 26.4030



24.9670, 27.6746, 119.1398



# Rectangle

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



49.2479, 27.6746, 34.1986



41.3403, 27.6746, 5.9533



11.8917, 27.6746, 26.4030



15.4430, 27.6746, 85.8385

# Sweetspot

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



49.2487, 27.6761, 34.1991



75.2934, 67.5220, 80.6255



35.3965, 19.1432, 96.4371



15.6777, 13.7450, 16.5907



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.



49.2487, 27.6761, 34.1991



46.2224, 24.0203, 25.8012



44.4528, 26.0640, 8.0001



18.3674, 18.1303, 20.5517



23.4170, 11.8561, 10.8463



2.3347, 1.1763, 1.3442



# Inverse Universe

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



49.2487, 27.6761, 34.1991



46.2224, 24.0203, 25.8012



55.1342, 77.9509, 106.7478



18.3674, 18.1303, 20.5517



23.4170, 11.8561, 10.8463



2.3347, 1.1763, 1.3442



# Previews

## White Background



This preview shows how the XYZ color 49.2479, 27.6746, 34.1986 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

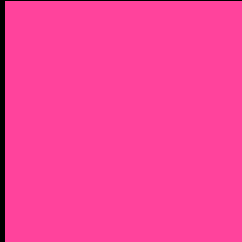
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.2479, 27.6746, 34.1986 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 49.2479, 27.6746, 34.1986**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2479, 27.6746, 34.1986.



This preview shows how white text looks on a background with the XYZ color 49.2479, 27.6746,



# 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

49.2479, 27.6746, 34.1986

### Protanopia

28.8843, 27.9907, 61.0071

### Deuteranopia

28.2094, 27.6397, 31.4520



## Tritanopia

44.8776, 27.7444, 12.6628

# Trichromacy



## Original Color

49.2479, 27.6746, 34.1986



## Protanomaly

32.1136, 24.6200, 50.0733



## Deuteranomaly

33.1484, 25.2187, 31.9748



## Tritanomaly

45.9065, 27.3591, 18.7809

# Monochromacy



## Original Color

49.2479, 27.6746, 34.1986



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

28.4078, 22.2075, 27.9885

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2479, 27.6746, 34.1986 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, 67, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 67, 156)  
}
```

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, 67, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 67, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2479, 27.6746, 34.1986 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, 67, 156) }
```



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

```
.border{ border-color:rgb(255, 67, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 67, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 67, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 67, 156); box-shadow:4px 4px 4px 4px rgb(255, 67, 156) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2479, 27.6746, 34.1986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 67, 156) }
```

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

```
.background{ background-color: rgb(255, 67,  
156) }
```

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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