

# Converting Colors

XYZ(47.1587, 24.7352, 29.6825)

Have a look what the booklet for  
XYZ(47.1587, 24.7352, 29.6825)  
contains.

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# Color

**XYZ(47.1214, 24.7215,  
29.4823)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF2692
RGB	255, 38, 146
RGB Percent	100%, 15%, 57%
CMY	0.0000, 0.8509, 0.4274
CMYK	0.00, 0.85, 0.43, 0.00
HSL	330°, 100%, 57%
HSV	330°, 85%, 100%
XYZ	47.1214, 24.7215, 29.4823
YIQ	115.1950, 94.6640, 79.5920

# Conversions

## Conversions Part 2

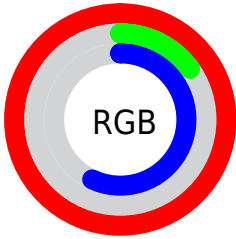
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 38, 146
Decimal	16721554
CIE Lab	56.80, 81.92, -3.87
CIE LCh	57, 82.013, 357.298
Yxy	24.7215, 0.4651, 0.2440
Android (android.graphics.Color)	4294911634 (0xFFFF2692)
YUV	115.1950, 15.1869, 122.6090
Hunter-Lab	49.7207, 82.1570, -0.3520

# Details

The XYZ color **47.1214, 24.7215, 29.4823** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **41.8282, 74.0396, 39.6990**, and the grayscale version is **16.2933, 17.1418, 18.6674**.

A 20% lighter version of the original color is **57.4595, 37.0185, 58.7604**, and **23.8495, 12.0510, 12.1354** is the 20% darker color. If you saturate the color by 10%, you get **45.6246, 23.2345, 24.3394**, and if you desaturate by 10%, it is **49.2880, 27.3697, 35.3998**.

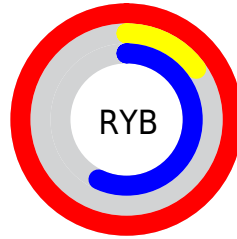
# Distribution



Red (100%)

Green (15%)

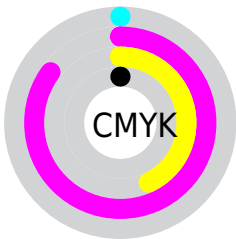
Blue (57%)



Red (100%)

Yellow (15%)

Blue (57%)

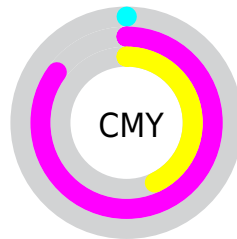


Cyan (0%)

Magenta (85%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (85%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1214, 24.7215, 29.4823 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 47.1214, 24.7215, 29.4823 by changing the saturation by 10% instead.




 47.1214, 24.7215,  
29.4823


 47.1214, 24.7215,  
29.4823


365.9397,  
276.4481, 313.6157

 33.3400, 15.8697,  
19.1973


 85.1124, 51.2051,  
59.8938


 22.5475, 9.4320,  
11.6347


 110.0528, 69.6056,  
80.8573

 14.3786, 5.0240,  
6.3759


 139.4435, 91.9578,  
106.2174

 8.4679, 2.2614,  
3.0025

 173.6499,  
118.6461, 136.3927

 4.4501, 0.7531,  
1.0959

 213.0374,  
150.0549, 171.8016

 1.9598, 0.0000,  
0.0000

257.9713,

 0.6112, 0.0000,

186.5686, 212.8627

0.0000

308.8169,  
228.5715, 259.9945

■ 0.0000, 0.0000,  
0.0000

■ 47.1214, 24.7215,  
29.4823

■ 47.1214, 24.7215,  
29.4823

■ 45.6246, 23.2345,  
24.3394

■ 49.2880, 27.3697,  
35.3998

■ 45.0642, 22.7897,  
22.0683

■ 52.2241, 31.3723,  
42.1418

■ 56.0132, 36.8914,  
49.7528

■ 60.7268, 44.0647,  
58.2725

■ 66.4285, 53.0145,  
67.7373

73.1759, 63.8512,  
78.1810

81.0221, 76.6764,  
89.6356

90.0164, 91.5842,  
102.1312

95.0499, 100.0000,  
108.9000

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.6589, 24.7215, 66.6694



47.1214, 24.7215, 29.4823



43.9645, 24.7215, 9.2467

# Triad

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



47.1214, 24.7215, 29.4823



16.0203, 24.7215, 1.9856



14.8830, 24.7215, 100.1997

# Complementary

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



47.1214, 24.7215, 29.4823



41.8282, 74.0396, 39.6990

# 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.



10.6337, 24.7215, 59.0895



47.1214, 24.7215, 29.4823



11.1539, 24.7215, 7.2904

# Square

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



47.1214, 24.7215, 29.4823



24.3763, 24.7215, 1.1281



9.4808, 24.7215, 24.5060



22.6392, 24.7215, 121.4991



# Rectangle

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



47.1214, 24.7215, 29.4823



38.3364, 24.7215, 3.7814



9.4808, 24.7215, 24.5060



13.0866, 24.7215, 87.2884

# Sweetspot

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



47.1221, 24.7229, 29.4827



72.5170, 62.7838, 77.1889



30.6889, 14.7655, 95.8401



15.0026, 12.6010, 15.7299



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.



47.1221, 24.7229, 29.4827



45.0643, 22.7897, 22.0683



42.2839, 22.7877, 4.0054



18.3863, 18.1378, 20.6516



23.6223, 11.9382, 11.9275



2.3551, 1.1844, 1.4515



# Inverse Universe

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



47.1221, 24.7229, 29.4827



45.0643, 22.7897, 22.0683



54.6100, 79.1524, 107.0073



18.3863, 18.1378, 20.6516



23.6223, 11.9382, 11.9275



2.3551, 1.1844, 1.4515



# Previews

## White Background



This preview shows how the XYZ color 47.1214, 24.7215, 29.4823 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

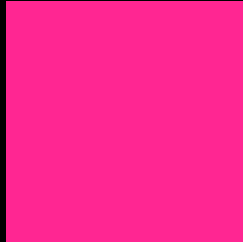
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.1214, 24.7215, 29.4823 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 47.1214, 24.7215, 29.4823**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.1214, 24.7215, 29.4823.



This preview shows how white text looks on a background with the XYZ color 47.1214, 24.7215,



# 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

47.1214, 24.7215, 29.4823

### Protanopia

26.1146, 24.8727, 59.9244

### Deuteranopia

25.2729, 24.7641, 26.7405



## Tritanopia

42.7753, 24.8230, 8.0057

# Trichromacy



## Original Color

47.1214, 24.7215, 29.4823



## Protanomaly

28.4224, 20.3004, 46.6763



## Deuteranomaly

29.8403, 21.3202, 27.3534



## Tritanomaly

43.6704, 24.3683, 13.4682

# Monochromacy



## Original Color

47.1214, 24.7215, 29.4823



## Achromatopsia

16.2955, 17.1441, 18.6699



## Achromatomaly

22.9000, 16.4297, 21.7030

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.1214, 24.7215, 29.4823 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, 38, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 146)  
}
```

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, 38, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 47.1214, 24.7215, 29.4823 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, 38, 146) }
```



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

```
.border{ border-color:rgb(255, 38, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 38, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.1214, 24.7215, 29.4823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 146) }
```

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

```
.background{ background-color: rgb(255, 38,  
146) }
```

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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