

# Converting Colors

XYZ(47.1849, 27.5507, 21.1729)

Have a look what the booklet for  
XYZ(47.1849, 27.5507, 21.1729)  
contains.

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# Color

**XYZ(47.2016, 27.5627,  
21.2447)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF4A7A
RGB	255, 74, 122
RGB Percent	100%, 29%, 48%
CMY	0.0000, 0.7098, 0.5216
CMYK	0.00, 0.71, 0.52, 0.00
HSL	344°, 100%, 65%
HSV	344°, 71%, 100%
XYZ	47.2016, 27.5627, 21.2447
YIQ	133.5910, 92.4680, 53.3000

# Conversions

## Conversions Part 2

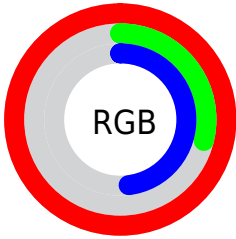
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 74, 122
Decimal	16730746
CIE <sub>Lab</sub>	59.49, 70.56, 14.16
CIE <sub>LCh</sub>	59, 71.964, 11.346
Yxy	27.5627, 0.4916, 0.2871
Android (android.graphics.Color)	4294920826 (0xFFFF4A7A)
YUV	133.5910, -5.7144, 106.4757
Hunter-Lab	52.5002, 68.6095, 12.7579

# Details

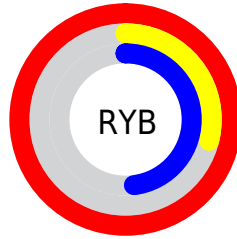
The XYZ color **47.2016, 27.5627, 21.2447** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **49.8487, 77.4815, 71.3669**, and the grayscale version is **22.5083, 23.6805, 25.7881**.

A 20% lighter version of the original color is **57.4051, 41.3662, 45.0033**, and **22.9743, 11.7009, 7.5262** is the 20% darker color. If you saturate the color by 10%, you get **44.7792, 24.4005, 15.2506**, and if you desaturate by 10%, it is **50.5387, 32.1963, 28.6485**.

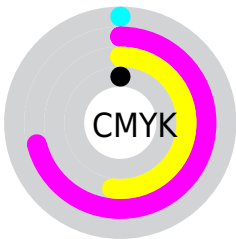
# Distribution



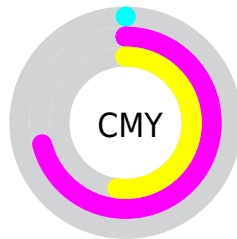
- Red (100%)
- Green (29%)
- Blue (48%)



- Red (100%)
- Yellow (29%)
- Blue (48%)



- Cyan (0%)
- Magenta (71%)
- Yellow (52%)
- Black (0%)




- Cyan (0%)
- Magenta (71%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2016, 27.5627, 21.2447 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 47.2016, 27.5627, 21.2447 by changing the saturation by 10% instead.





 47.2016, 27.5627,  
21.2447


 47.2016, 27.5627,  
21.2447


366.2541,  
290.3714, 271.3997


 33.4037, 17.9963,  
13.1100

 85.2314, 55.7855,  
46.3805


 22.5966, 10.9473,  
7.3727


 110.1939, 75.2107,  
64.2187

 14.4150, 6.0314,  
3.6143


 139.6088, 98.6909,  
86.1284

 8.4935, 2.8642,  
1.4162

 173.8412,  
126.6106, 112.5283

 4.4667, 1.0612,  
0.1543

213.2566,  
159.3540, 143.8368

 1.9694, 0.0000,  
0.0000

258.2203,

 0.6167, 0.0000,

197.3057, 180.4725

0.0000

309.0977,  
240.8501, 222.8540

■ 0.0000, 0.0000,  
0.0000

■ 47.2016, 27.5627,  
21.2447

■ 47.2016, 27.5627,  
21.2447

■ 44.7792, 24.4005,  
15.2506

■ 50.5387, 32.1963,  
28.6485

■ 43.1673, 22.5215,  
10.5673


■ 54.8746, 38.4501,  
37.5482


■ 42.2714, 21.6725,  
7.3623

■ 60.2857, 46.4595,  
48.0238

■ 66.8405, 56.3445,  
60.1493

■ 74.6012, 68.2144,  
73.9934

 83.6258, 82.1701,  
89.6212

 93.9682, 98.3055,  
107.0941

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



46.3576, 27.5627, 48.9150



47.2016, 27.5627, 21.2447



41.5328, 27.5627, 7.6754

# Triad

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



47.2016, 27.5627, 21.2447



16.3112, 27.5627, 6.0058



21.0220, 27.5627, 106.1960

# Complementary

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



47.2016, 27.5627, 21.2447



49.8487, 77.4815, 71.3669

# 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.



15.1953, 27.5627, 76.3681



47.2016, 27.5627, 21.2447



12.9390, 27.5627, 16.7387

# Square

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



47.2016, 27.5627, 21.2447



22.9247, 27.5627, 2.8815



12.5840, 27.5627, 40.9079



29.7679, 27.5627, 110.0555



# Rectangle

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



47.2016, 27.5627, 21.2447



35.4475, 27.5627, 4.0949



12.5840, 27.5627, 40.9079



18.7154, 27.5627, 98.3153

# Sweetspot

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



47.2023, 27.5643, 21.2451



74.5810, 68.1831, 73.9576



46.1580, 25.3466, 97.0669



15.4784, 13.8490, 14.9744



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.



47.2023, 27.5643, 21.2451



44.0396, 23.5017, 13.2141



48.7497, 34.3013, 10.5322



18.2071, 18.0662, 19.7078



22.1399, 11.3453, 4.1214



2.1986, 1.1218, 0.6270



# Inverse Universe

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



47.2023, 27.5643, 21.2451



44.0396, 23.5017, 13.2141



44.6111, 56.1487, 103.0938



18.2071, 18.0662, 19.7078



22.1399, 11.3453, 4.1214



2.1986, 1.1218, 0.6270



# Previews

## White Background



This preview shows how the XYZ color 47.2016, 27.5627, 21.2447 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

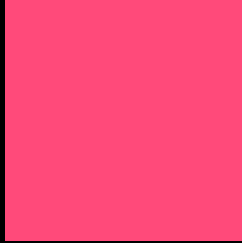
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.2016, 27.5627, 21.2447 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

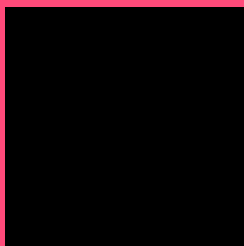
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 47.2016, 27.5627, 21.2447**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2016, 27.5627, 21.2447.



This preview shows how white text looks on a background with the XYZ color 47.2016, 27.5627,



# 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

47.2016, 27.5627, 21.2447

### Protanopia

27.1493, 27.8643, 36.2952

### Deuteranopia

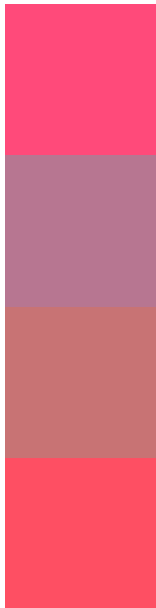
28.2176, 27.6940, 19.4810



## Tritanopia

45.2050, 27.5891, 11.7468

# Trichromacy



## Original Color

47.2016, 27.5627, 21.2447

## Protanomaly

31.1177, 25.0685, 29.9867

## Deuteranomaly

33.1025, 25.8018, 19.7585

## Tritanomaly

45.9212, 27.5636, 14.7044

# Monochromacy



## Original Color

47.2016, 27.5627, 21.2447

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

28.1835, 22.6650, 24.0084

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2016, 27.5627, 21.2447 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, 74, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 74, 122)  
}
```

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, 74, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2016, 27.5627, 21.2447 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, 74, 122) }
```



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

```
.border{ border-color:rgb(255, 74, 122) }
```

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

Here you see how a box with a 4 pixel rgb(255, 74, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2016, 27.5627, 21.2447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 74, 122) }
```

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

```
.background{ background-color: rgb(255, 74,  
122) }
```

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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