

# Converting Colors

XYZ(47.1662, 29.0456, 16.4430)

Have a look what the booklet for  
XYZ(47.1662, 29.0456, 16.4430)  
contains.

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# Color

**XYZ(47.1980, 29.0963,  
16.4931)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF5769
RGB	255, 87, 105
RGB Percent	100%, 34%, 41%
CMY	0.0000, 0.6588, 0.5882
CMYK	0.00, 0.66, 0.59, 0.00
HSL	354°, 100%, 67%
HSV	354°, 66%, 100%
XYZ	47.1980, 29.0963, 16.4931
YIQ	139.2840, 94.3500, 41.2140

# Conversions

## Conversions Part 2

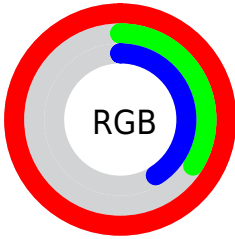
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 87, 105
Decimal	16734057
CIE Lab	60.87, 64.62, 25.92
CIE LCh	61, 69.624, 21.853
Yxy	29.0963, 0.5087, 0.3136
Android (android.graphics.Color)	4294924137 (0xFFFF5769)
YUV	139.2840, -16.9020, 101.4829
Hunter-Lab	53.9410, 61.7896, 19.6301

# Details

The XYZ color **47.1980, 29.0963, 16.4931** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **54.9788, 79.6614, 92.6066**, and the grayscale version is **24.6892, 25.9749, 28.2867**.

A 20% lighter version of the original color is **57.3661, 43.9111, 36.9047**, and **22.6459, 11.7998, 5.0870** is the 20% darker color. If you saturate the color by 10%, you get **44.4678, 25.2649, 10.5618**, and if you desaturate by 10%, it is **50.9716, 34.5137, 24.3180**.

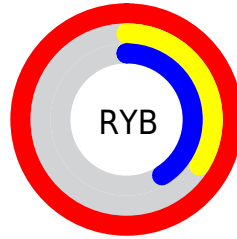
# Distribution



Red (100%)

Green (34%)

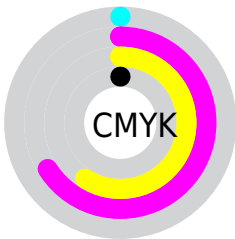
Blue (41%)



Red (100%)

Yellow (34%)

Blue (41%)

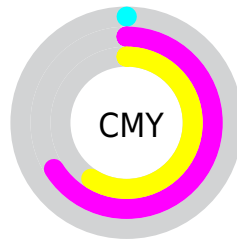


Cyan (0%)

Magenta (66%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (66%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1980, 29.0963, 16.4931 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 47.1980, 29.0963, 16.4931 by changing the saturation by 10% instead.





 47.1980, 29.0963,  
16.4931


 47.1980, 29.0963,  
16.4931


366.2400,  
297.6691, 244.1783

 33.4008, 19.1537,  
9.7156


 85.2260, 58.2301,  
38.2308

 22.5944, 11.7814,  
5.1077


 110.1876, 78.1900,  
54.0281

 14.4133, 6.5950,  
2.2507


 139.6013,  
102.2578, 73.6691

 8.4923, 3.2101,  
0.7034

 173.8326,  
130.8179, 97.5723

 4.4660, 1.2424,  
0.0000

213.2468,  
164.2547, 126.1563

 1.9690, 0.0959,  
0.0000

258.2091,

 0.6165, 0.0000,

202.9525, 159.8396

0.0000

309.0851,  
247.2959, 199.0408

■ 0.0000, 0.0000,  
0.0000

■ 47.1980, 29.0963,  
16.4931

■ 47.1980, 29.0963,  
16.4931

■ 44.4678, 25.2649,  
10.5618

■ 50.9716, 34.5137,  
24.3180

■ 42.6725, 22.8429,  
6.3608

■ 55.8783, 41.6593,  
34.1781

■ 41.6831, 21.6198,  
3.7012

■ 62.0005, 50.6650,  
46.2032

■ 41.4412, 21.3405,  
2.9906

■ 69.4123, 61.6486,  
60.5116

■ 78.1817, 74.7182,  
77.2133

88.3723, 89.9739,  
96.4110

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.



48.7525, 29.0963, 39.2970



47.1980, 29.0963, 16.4931



39.8824, 29.0963, 6.4030

# Triad

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



47.1980, 29.0963, 16.4931



16.0854, 29.0963, 9.7650



25.2572, 29.0963, 111.2676

# Complementary

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



47.1980, 29.0963, 16.4931



54.9788, 79.6614, 92.6066

# 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.



18.2235, 29.0963, 89.4047



47.1980, 29.0963, 16.4931



13.7379, 29.0963, 25.1185

# Square

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



47.1980, 29.0963, 16.4931



21.6601, 29.0963, 4.2621



14.4244, 29.0963, 54.1372



34.6654, 29.0963, 104.2933



# Rectangle

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



47.1980, 29.0963, 16.4931



33.4485, 29.0963, 3.9787



14.4244, 29.0963, 54.1372



22.5727, 29.0963, 106.7559

# Sweetspot

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



47.1987, 29.0980, 16.4936



74.3987, 69.0721, 70.0327



55.8524, 31.7686, 97.7955



15.4013, 14.0050, 13.9930



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.



47.1987, 29.0980, 16.4936



43.8125, 24.3663, 9.0727



54.0927, 44.2125, 14.7020



18.0884, 18.0187, 19.0828



21.6794, 11.1610, 1.6962



2.1355, 1.0966, 0.2952



# Inverse Universe

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



47.1987, 29.0980, 16.4936



43.8125, 24.3663, 9.0727



40.5259, 46.3357, 101.4151



18.0884, 18.0187, 19.0828



21.6794, 11.1610, 1.6962



2.1355, 1.0966, 0.2952



# Previews

## White Background



This preview shows how the XYZ color 47.1980, 29.0963, 16.4931 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 47.1980, 29.0963, 16.4931 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 47.1980, 29.0963, 16.4931**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.1980, 29.0963, 16.4931.



This preview shows how white text looks on a background with the XYZ color 47.1980, 29.0963,



# 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

47.1980, 29.0963, 16.4931

### Protanopia

27.7354, 29.3057, 26.0245

### Deuteranopia

29.8140, 29.2599, 15.3856



## Tritanopia

46.4658, 29.0237, 13.7428

# Trichromacy



## Original Color

47.1980, 29.0963, 16.4931

## Protanomaly

32.0817, 27.0195, 21.9368

## Deuteranomaly

34.3145, 27.5740, 15.5703

## Tritanomaly

46.5674, 28.9321, 14.6854

# Monochromacy



## Original Color

47.1980, 29.0963, 16.4931

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

29.6033, 24.7890, 23.3032

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.1980, 29.0963, 16.4931 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, 87, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 105)  
}
```

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, 87, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 47.1980, 29.0963, 16.4931 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, 87, 105) }
```



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

```
.border{ border-color:rgb(255, 87, 105) }
```

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

Here you see how a box with a 4 pixel rgb(255, 87, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
105) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.1980, 29.0963, 16.4931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 105) }
```

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

```
.background{ background-color: rgb(255, 87,  
105) }
```

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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