

# Converting Colors

XYZ(47.8446, 27.5478, 25.4689)

Have a look what the booklet for  
XYZ(47.8446, 27.5478, 25.4689)  
contains.

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# Color

**XYZ(47.7963, 27.4877,  
25.3408)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF4786
RGB	255, 71, 134
RGB Percent	100%, 28%, 53%
CMY	0.0000, 0.7215, 0.4745
CMYK	0.00, 0.72, 0.47, 0.00
HSL	339°, 100%, 64%
HSV	339°, 72%, 100%
XYZ	47.7963, 27.4877, 25.3408
YIQ	133.1980, 89.4410, 58.6010

# Conversions

## Conversions Part 2

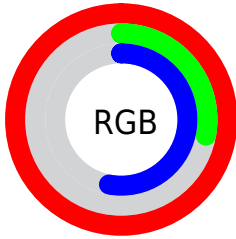
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 71, 134</a>
Decimal	<a href="#">16729990</a>
<a href="#">CIELab</a>	<a href="#">59.42, 72.51, 7.02</a>
<a href="#">CIElCh</a>	<a href="#">59, 72.848, 5.528</a>
<a href="#">Yxy</a>	<a href="#">27.4877, 0.4750, 0.2732</a>
Android ( <a href="#">android.graphics.Color</a> )	<a href="#">4294920070</a> ( <a href="#">0xFFFF4786</a> )
<a href="#">YUV</a>	<a href="#">133.1980, 0.3954, 106.8204</a>
<a href="#">Hunter-Lab</a>	<a href="#">52.4287, 70.9781, 8.0430</a>

# Details

The XYZ color **47.7963, 27.4877, 25.3408** is a light color, and the websafe version is hex **FF6699**. The color can be described as light washed rose. A complement of this color would be **47.8751, 76.6661, 62.1507**, and the grayscale version is **22.3441, 23.5077, 25.5999**.

A 20% lighter version of the original color is **58.4609, 41.3504, 51.9139**, and **23.3779, 11.8623, 9.6518** is the 20% darker color. If you saturate the color by 10%, you get **45.4224, 24.4658, 19.2291**, and if you desaturate by 10%, it is **51.0370, 31.9464, 32.6569**.

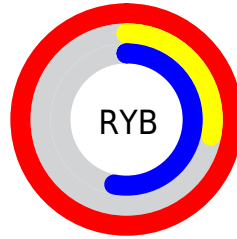
# Distribution



Red (100%)

Green (28%)

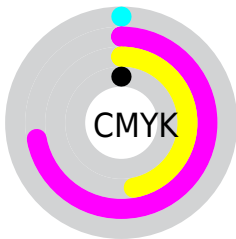
Blue (53%)



Red (100%)

Yellow (28%)

Blue (53%)

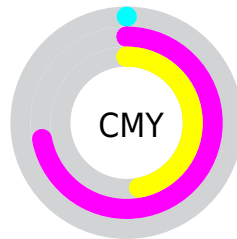


Cyan (0%)

Magenta (72%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (72%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7963, 27.4877, 25.3408 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 47.7963, 27.4877, 25.3408 by changing the saturation by 10% instead.





 47.7963, 27.4877,  
25.3408


 47.7963, 27.4877,  
25.3408

368.5802,  
290.0108, 293.0327


 33.8762, 17.9398,  
16.1098


 86.1126, 55.6655,  
53.1805


 22.9609, 10.9068,  
9.4467


 111.2394, 75.0642,  
72.6263


 14.6852, 6.0042,  
4.9329


 140.8326, 98.5153,  
96.3142

 8.6836, 2.8476,  
2.1499

 175.2574,  
126.4032, 124.6626

 4.5909, 1.0527,  
0.6452

 214.8792,  
159.1123, 158.0901

 2.0415, 0.0000,  
0.0000

260.0634,

 0.6571, 0.0000,

197.0270, 197.0153

0.0000

311.1752,  
240.5317, 241.8566

■ 0.0000, 0.0000,  
0.0000

■ 47.7963, 27.4877,  
25.3408

■ 47.7963, 27.4877,  
25.3408

■ 45.4224, 24.4658,  
19.2291

■ 51.0370, 31.9464,  
32.6569

■ 43.8129, 22.6897,  
14.2441


■ 55.2261, 37.9921,  
41.2443


■ 42.9724, 21.9530,  
11.0535

■ 60.4378, 45.7608,  
51.1657

■ 66.7379, 55.3727,  
62.4787

■ 74.1866, 66.9369,  
75.2374

 82.8395, 80.5541,  
89.4928

 92.7484, 96.3182,  
105.2931

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



45.5931, 27.4877, 55.9750



47.7963, 27.4877, 25.3408



43.1845, 27.4877, 9.1831

# Triad

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



47.7963, 27.4877, 25.3408



17.1916, 27.4877, 4.8209



19.5053, 27.4877, 103.0188

# Complementary

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



47.7963, 27.4877, 25.3408



47.8751, 76.6661, 62.1507

# 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.



14.2811, 27.4877, 69.7055



47.7963, 27.4877, 25.3408



13.1796, 27.4877, 13.5544

# Square

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



47.7963, 27.4877, 25.3408



24.4706, 27.4877, 2.5916



12.2541, 27.4877, 35.0410



27.8549, 27.4877, 113.0987



# Rectangle

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



47.7963, 27.4877, 25.3408



37.3810, 27.4877, 4.6652



12.2541, 27.4877, 35.0410



17.3930, 27.4877, 93.4944

# Sweetspot

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



47.7970, 27.4893, 25.3412



74.3092, 67.1283, 75.4429



41.6904, 22.7532, 96.8019



15.4468, 13.6527, 15.3748



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.



47.7970, 27.4893, 25.3412



44.5538, 23.4623, 16.6768



46.8026, 30.5651, 9.3962



18.2660, 18.0897, 20.0179



22.5167, 11.4960, 6.1056



2.2413, 1.1389, 0.8519



# Inverse Universe

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



47.7970, 27.4893, 25.3412



44.5538, 23.4623, 16.6768



48.2284, 63.7181, 104.3644



18.2660, 18.0897, 20.0179



22.5167, 11.4960, 6.1056



2.2413, 1.1389, 0.8519



# Previews

## White Background



This preview shows how the XYZ color 47.7963, 27.4877, 25.3408 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

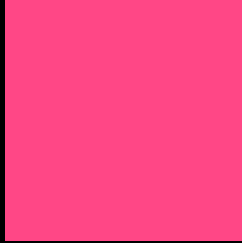
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 47.7963, 27.4877, 25.3408 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 47.7963, 27.4877, 25.3408**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.7963, 27.4877, 25.3408.



This preview shows how white text looks on a background with the XYZ color 47.7963, 27.4877,

25.3408.

# 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

47.7963, 27.4877, 25.3408

### Protanopia

27.4663, 27.6362, 43.9311

### Deuteranopia

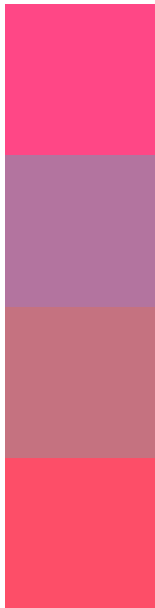
28.1000, 27.5501, 23.2387



## Tritanopia

44.8825, 27.4182, 11.9435

# Trichromacy



## Original Color

47.7963, 27.4877, 25.3408

## Protanomaly

31.0938, 24.5777, 35.9060

## Deuteranomaly

32.9396, 25.4635, 23.6009

## Tritanomaly

45.7311, 27.3309, 15.9618

# Monochromacy



## Original Color

47.7963, 27.4877, 25.3408

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

27.9410, 22.1924, 25.0012

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.7963, 27.4877, 25.3408 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, 71, 134)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 134)  
}
```

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, 71, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 47.7963, 27.4877, 25.3408 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, 71, 134) }
```



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

```
.border{ border-color:rgb(255, 71, 134) }
```

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

Here you see how a box with a 4 pixel rgb(255, 71, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.7963, 27.4877, 25.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 134) }
```

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

```
.background{ background-color: rgb(255, 71,  
134) }
```

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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