

# Converting Colors

XYZ(47.3271, 25.8748, 33.1563)

Have a look what the booklet for  
XYZ(47.3271, 25.8748, 33.1563)  
contains.

<b>XYZ(47.4407, 25.9548, 33.0812)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.4407, 25.9548,  
33.0812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC399A
RGB	252, 57, 154
RGB Percent	99%, 22%, 60%
CMY	0.0118, 0.7764, 0.3961
CMYK	0.00, 0.77, 0.39, 0.01
HSL	330°, 97%, 61%
HSV	330°, 77%, 99%
XYZ	47.4407, 25.9548, 33.0812
YIQ	126.3630, 85.0830, 71.5070

# Conversions

## Conversions Part 2

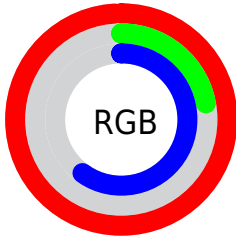
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 57, 154
Decimal	16529818
CIE Lab	57.99, 77.68, -6.88
CIE LCh	58, 77.983, 354.941
Yxy	25.9548, 0.4456, 0.2438
Android (android.graphics.Color)	4294719898 (0xFFFC399A)
YUV	126.3630, 13.6250, 110.1836
Hunter-Lab	50.9459, 77.0637, -2.8373

# Details

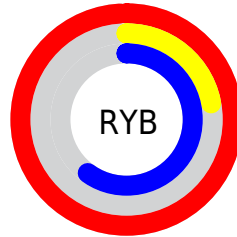
The XYZ color **47.4407, 25.9548, 33.0812** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **42.4161, 72.8580, 42.8441**, and the grayscale version is **19.8918, 20.9277, 22.7902**.

A 20% lighter version of the original color is **59.5847, 39.7331, 64.2033**, and **23.6834, 11.9264, 13.8857** is the 20% darker color. If you saturate the color by 10%, you get **45.4890, 23.6516, 27.4978**, and if you desaturate by 10%, it is **50.1225, 29.5401, 39.4576**.

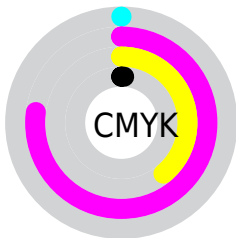
# Distribution



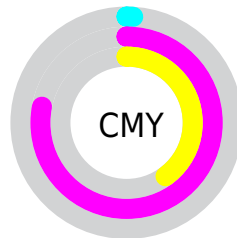
- Red (99%)
- Green (22%)
- Blue (60%)



- Red (99%)
- Yellow (22%)
- Blue (60%)



- Cyan (0%)
- Magenta (77%)
- Yellow (39%)
- Black (1%)




- Cyan (1%)
- Magenta (78%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4407, 25.9548, 33.0812 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 47.4407, 25.9548, 33.0812 by changing the saturation by 10% instead.





 47.4407, 25.9548,  
33.0812


 47.4407, 25.9548,  
33.0812


367.1905,  
282.5601, 330.6587


 33.5936, 16.7898,  
21.9170


 85.5858, 53.2020,  
65.6198


 22.7430, 10.0848,  
13.5982


 110.6145, 72.0531,  
87.8312


 14.5235, 5.4552,  
7.7062


 140.1012, 94.9016,  
114.5622

 8.5698, 2.5167,  
3.8225

 174.4111,  
122.1320, 146.2312

 4.5165, 0.8850,  
1.5285

 213.9096,  
154.1286, 183.2569

 1.9983, 0.0000,  
0.2390

258.9621,

 0.6330, 0.0000,

191.2759, 226.0576

0.0000

309.9340,  
233.9583, 275.0520

■ 0.0000, 0.0000,  
0.0000

■ 47.4407, 25.9548,  
33.0812

■ 47.4407, 25.9548,  
33.0812

■ 45.4890, 23.6516,  
27.4978

■ 50.1225, 29.5401,  
39.4576

■ 44.1571, 22.4152,  
22.6531

■ 53.6161, 34.5656,  
46.6697

■ 43.8685, 22.1849,  
21.4877

■ 57.9938, 41.1708,  
54.7575

■ 63.3188, 49.4775,  
63.7570

■ 69.6484, 59.5953,  
73.7017

77.0351, 71.6248,  
84.6229

85.5275, 85.6589,  
96.5503

93.9548, 99.4354,  
108.8487

# Harmonies

## Analogous

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



42.6438, 25.9548, 69.7053



47.4407, 25.9548, 33.0812



44.9838, 25.9548, 11.5560

# Triad

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



47.4407, 25.9548, 33.0812



17.7984, 25.9548, 2.5027



15.6664, 25.9548, 95.4474

# Complementary

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



47.4407, 25.9548, 33.0812



42.4161, 72.8580, 42.8441

# 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.



11.6302, 25.9548, 56.2306



47.4407, 25.9548, 33.0812



12.6238, 25.9548, 7.7207

# Square

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



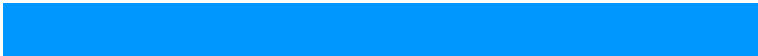
47.4407, 25.9548, 33.0812



26.2996, 25.9548, 1.6908



10.6780, 25.9548, 23.9322



23.1077, 25.9548, 117.6941



# Rectangle

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



47.4407, 25.9548, 33.0812



39.8226, 25.9548, 5.1846



10.6780, 25.9548, 23.9322



13.9496, 25.9548, 82.9492

# Sweetspot

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



47.4414, 25.9562, 33.0816



74.7210, 66.3627, 80.4795



32.4577, 16.8759, 93.6419



15.4273, 13.2864, 16.3772



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.



47.4414, 25.9562, 33.0816



45.8842, 23.4599, 25.3311



42.3476, 23.9187, 6.2577



17.6046, 17.3692, 19.7738



22.9260, 11.5861, 11.5846



2.1768, 1.0945, 1.3545



# Inverse Universe

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



47.4414, 25.9562, 33.0816



45.8842, 23.4599, 25.3311



54.0692, 77.5192, 104.2082



17.6046, 17.3692, 19.7738



22.9260, 11.5861, 11.5846



2.1768, 1.0945, 1.3545



# Previews

## White Background



This preview shows how the XYZ color 47.4407, 25.9548, 33.0812 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

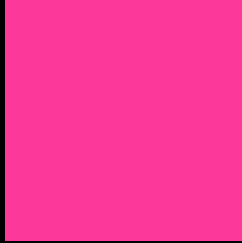
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.4407, 25.9548, 33.0812 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 47.4407, 25.9548, 33.0812**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.4407, 25.9548, 33.0812.



This preview shows how white text looks on a background with the XYZ color 47.4407, 25.9548,



# 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

47.4407, 25.9548, 33.0812

### Protanopia

27.4224, 26.1295, 61.9907

### Deuteranopia

26.4605, 25.9209, 29.9942



## Tritanopia

42.6052, 25.8321, 10.7232

# Trichromacy



## Original Color

47.4407, 25.9548, 33.0812



## Protanomaly

30.0581, 22.4200, 49.7570



## Deuteranomaly

31.3420, 23.3449, 30.8711



## Tritanomaly

43.9639, 25.6028, 16.8120

# Monochromacy



## Original Color

47.4407, 25.9548, 33.0812



## Achromatopsia

19.8309, 20.8637, 22.7206



## Achromatomaly

26.1109, 19.8556, 25.7489

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.4407, 25.9548, 33.0812 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(252, 57, 154)` looks like.

```
.text, #text, p{  
  color:rgb(252, 57, 154)  
}
```

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(252, 57, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 57, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 47.4407, 25.9548, 33.0812 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(252, 57, 154) }
```



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

```
.border{ border-color:rgb(252, 57, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 57, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 57, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 57, 154);  
box-shadow:4px 4px 4px 4px rgb(252, 57,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.4407, 25.9548, 33.0812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 57, 154) }
```

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

```
.background{ background-color: rgb(252, 57,  
154) }
```

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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