

# Converting Colors

XYZ(47.7246, 26.5367, 33.1319)

Have a look what the booklet for  
XYZ(47.7246, 26.5367, 33.1319)  
contains.

<b>XYZ(47.7551, 26.5836, 33.1860)</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(47.7551, 26.5836,  
33.1860)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC3F9A
RGB	252, 63, 154
RGB Percent	99%, 25%, 60%
CMY	0.0118, 0.7529, 0.3961
CMYK	0.00, 0.75, 0.39, 0.01
HSL	331°, 97%, 62%
HSV	331°, 75%, 99%
XYZ	47.7551, 26.5836, 33.1860
YIQ	129.8850, 83.4330, 68.3690

# Conversions

## Conversions Part 2

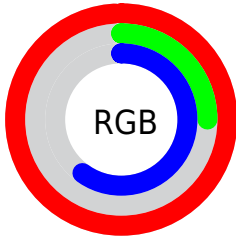
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 63, 154
Decimal	16531354
CIE Lab	58.59, 76.00, -6.00
CIE LCh	59, 76.235, 355.488
Yxy	26.5836, 0.4441, 0.2472
Android (android.graphics.Color)	4294721434 (0xFFFC3F9A)
YUV	129.8850, 11.8887, 107.0949
Hunter-Lab	51.5593, 75.1010, -2.0704

# Details

The XYZ color **47.7551, 26.5836, 33.1860** 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 **43.2953, 73.2516, 45.5814**, and the grayscale version is **21.1183, 22.2181, 24.1955**.

A 20% lighter version of the original color is **60.2145, 40.9928, 64.4133**, and **23.6834, 11.9264, 13.8857** is the 20% darker color. If you saturate the color by 10%, you get **45.6347, 23.9909, 27.3986**, and if you desaturate by 10%, it is **50.6334, 30.5026, 39.8111**.

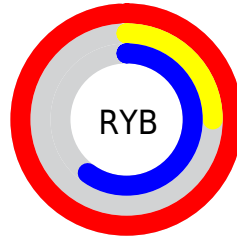
# Distribution



Red (99%)

Green (25%)

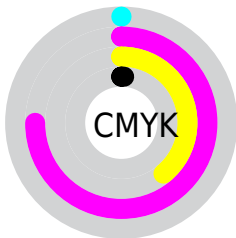
Blue (60%)



Red (99%)

Yellow (25%)

Blue (60%)

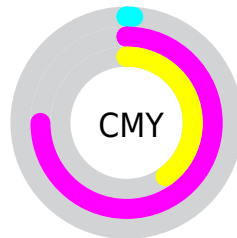


Cyan (0%)

Magenta (75%)

Yellow (39%)

Black (1%)



Cyan (1%)

Magenta (75%)


Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7551, 26.5836, 33.1860 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 47.7551, 26.5836, 33.1860 by changing the saturation by 10% instead.





 47.7551, 26.5836,  
33.1860


 47.7551, 26.5836,  
33.1860

368.4193,  
285.6353, 331.1447

 33.8434, 17.2607,  
21.9967


 86.0516, 54.2150,  
65.7852


 22.9357, 10.4206,  
13.6562


 111.1671, 73.2922,  
88.0321


 14.6664, 5.6787,  
7.7459


 140.7479, 96.3898,  
114.8020

 8.6704, 2.6507,  
3.8474

 175.1594,  
123.8920, 146.5134

 4.5822, 0.9522,  
1.5420

 214.7670,  
156.1832, 183.5848

 2.0365, 0.0000,  
0.2489

259.9359,

 0.6543, 0.0000,

193.6480, 226.4348

0.0000

311.0316,  
236.6705, 275.4819

■ 0.0000, 0.0000,  
0.0000

■ 47.7551, 26.5836,  
33.1860

■ 47.7551, 26.5836,  
33.1860

■ 45.6347, 23.9909,  
27.3986

■ 50.6334, 30.5026,  
39.8111

■ 44.1713, 22.5285,  
22.3960


■ 54.3482, 35.8990,  
47.3172


■ 43.6159, 22.0838,  
20.1574


■ 58.9699, 42.9083,  
55.7450

■ 64.5605, 51.6491,  
65.1316

■ 71.1761, 62.2289,  
75.5115

 78.8687, 74.7461,  
86.9170

 87.6864, 89.2925,  
99.3791

 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.



43.1604, 26.5836, 69.0032



47.7551, 26.5836, 33.1860



45.2125, 26.5836, 11.9635

# Triad

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



47.7551, 26.5836, 33.1860



18.2945, 26.5836, 2.9081



16.3901, 26.5836, 95.4571

# Complementary

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



47.7551, 26.5836, 33.1860



43.2953, 73.2516, 45.5814

# 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.



12.2671, 26.5836, 57.2287



47.7551, 26.5836, 33.1860



13.1614, 26.5836, 8.4787

# Square

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



47.7551, 26.5836, 33.1860



26.7073, 26.5836, 1.9807



11.2503, 26.5836, 25.0817



23.8793, 26.5836, 116.5644



# Rectangle

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



47.7551, 26.5836, 33.1860



40.0787, 26.5836, 5.5678



11.2503, 26.5836, 25.0817



14.6446, 26.5836, 83.3588

# Sweetspot

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



47.7558, 26.5851, 33.1864



75.3554, 67.5468, 80.9523



33.9778, 18.1263, 93.8032



15.6923, 13.7509, 16.6676



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.



47.7558, 26.5851, 33.1864



46.0418, 23.7542, 25.4478



43.0002, 24.9700, 7.2580



17.5927, 17.3644, 19.7110



22.7937, 11.5332, 10.8881



2.1644, 1.0895, 1.2890



# Inverse Universe

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



47.7558, 26.5851, 33.1864



46.0418, 23.7542, 25.4478



53.4508, 75.7442, 103.8982



17.5927, 17.3644, 19.7110



22.7937, 11.5332, 10.8881



2.1644, 1.0895, 1.2890



# Previews

## White Background



This preview shows how the XYZ color 47.7551, 26.5836, 33.1860 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

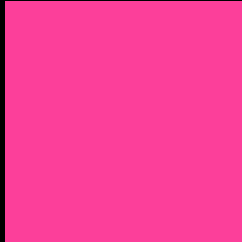
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.7551, 26.5836, 33.1860 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 47.7551, 26.5836, 33.1860**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.7551, 26.5836, 33.1860.



This preview shows how white text looks on a background with the XYZ color 47.7551, 26.5836,



# 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

47.7551, 26.5836, 33.1860

### Protanopia

27.8973, 26.8420, 60.2106

### Deuteranopia

27.1166, 26.6772, 30.1056



## Tritanopia

43.4084, 26.6629, 11.6627

# Trichromacy



## Original Color

47.7551, 26.5836, 33.1860



## Protanomaly

30.8036, 23.3067, 48.7741



## Deuteranomaly

31.9075, 24.1088, 30.9887



## Tritanomaly

44.4522, 26.3196, 17.7762

# Monochromacy



## Original Color

47.7551, 26.5836, 33.1860



## Achromatopsia

21.2178, 22.3228, 24.3095



## Achromatomaly

27.2698, 21.1708, 27.0752

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.7551, 26.5836, 33.1860 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, 63, 154)` looks like.

```
.text, #text, p{  
    color:rgb(252, 63, 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, 63, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 63, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 47.7551, 26.5836, 33.1860 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, 63, 154) }
```



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

```
.border{ border-color:rgb(252, 63, 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, 63, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 63, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 63, 154);  
box-shadow:4px 4px 4px 4px rgb(252, 63,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.7551, 26.5836, 33.1860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 63, 154) }
```

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

```
.background{ background-color: rgb(252, 63,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor