

# Converting Colors

XYZ(47.8297, 31.9818, 32.5064)

Have a look what the booklet for  
XYZ(47.8297, 31.9818, 32.5064)  
contains.

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# Color

**XYZ(47.8297, 31.9818,  
32.5064)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F36C96
RGB	243, 108, 150
RGB Percent	95%, 42%, 59%
CMY	0.0471, 0.5764, 0.4118
CMYK	0.00, 0.56, 0.38, 0.05
HSL	341°, 85%, 69%
HSV	341°, 56%, 95%
XYZ	47.8297, 31.9818, 32.5064
YIQ	153.1530, 66.9780, 41.6820

# Conversions

## Conversions Part 2

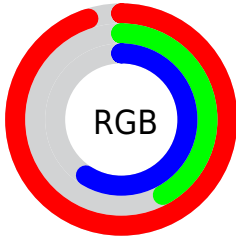
Format	Color
R <sub>Y</sub> B	243, 108, 150
Decimal	15953046
CIE Lab	63.33, 55.77, 3.10
CIE LCh	63, 55.857, 3.184
Yxy	31.9818, 0.4258, 0.2847
Android (android.graphics.Color)	4294143126 (0xFFFF36C96)
YUV	153.1530, -1.5544, 78.7958
Hunter-Lab	56.5525, 52.0010, 5.5068

# Details

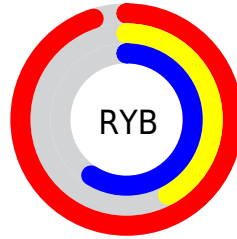
The XYZ color **47.8297, 31.9818, 32.5064** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **48.7793, 71.5071, 66.4939**, and the grayscale version is **30.3321, 31.9118, 34.7519**.

A 20% lighter version of the original color is **65.4145, 52.1706, 63.7489**, and **23.0086, 13.4241, 13.1828** is the 20% darker color. If you saturate the color by 10%, you get **44.3614, 27.0507, 25.1678**, and if you desaturate by 10%, it is **52.2063, 38.4213, 41.0986**.

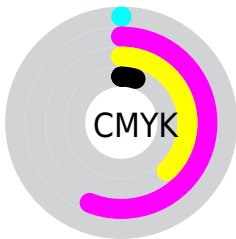
# Distribution



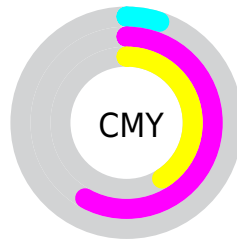
- Red (95%)
- Green (42%)
- Blue (59%)



- Red (95%)
- Yellow (42%)
- Blue (59%)



- Cyan (0%)
- Magenta (56%)
- Yellow (38%)
- Black (5%)




- Cyan (5%)
- Magenta (58%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8297, 31.9818, 32.5064 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 47.8297, 31.9818, 32.5064 by changing the saturation by 10% instead.





 47.8297, 31.9818,  
32.5064


 47.8297, 31.9818,  
32.5064

368.7105,  
311.0363, 327.9832


 33.9027, 21.3476,  
21.4806


 86.1620, 62.7826,  
64.7112


 22.9814, 13.3783,  
13.2811


 111.2981, 83.7179,  
86.7273

 14.7004, 7.6896,  
7.4894


 140.9012,  
108.8557, 113.2439

 8.6943, 3.8970,  
3.6869

 175.3368,  
138.5805, 144.6795

 4.5979, 1.6161,  
1.4552

214.9702,  
173.2765, 181.4527

 2.0456, 0.3684,  
0.1842

260.1667,

 0.6594, 0.0000,

213.3283, 223.9820

0.0000

311.2917,  
259.1201, 272.6860

■ 0.0000, 0.0000,  
0.0000

■ 47.8297, 31.9818,  
32.5064

■ 47.8297, 31.9818,  
32.5064

■ 44.3614, 27.0507,  
25.1678

■ 52.2063, 38.4213,  
41.0986

■ 41.7298, 23.4978,  
19.0179

■ 57.5504, 46.4751,  
51.0008

■ 39.8558, 21.1789,  
13.9877

■ 63.9187, 56.2455,  
62.2680

■ 38.6424, 19.9147,  
9.9985

■ 71.3629, 67.8246,  
74.9513

■ 38.2525, 19.5708,  
8.5247

■ 79.9310, 81.2982,  
89.0991

89.6682, 96.7464,  
104.7572

90.7721, 97.7947,  
108.6998

# Harmonies

## Analogous

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



45.7252, 31.9818, 57.8333



47.8297, 31.9818, 32.5064



44.6475, 31.9818, 16.3022

# Triad

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



47.8297, 31.9818, 32.5064



22.9514, 31.9818, 9.9302



24.1604, 31.9818, 88.4623

# Complementary

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



47.8297, 31.9818, 32.5064



48.7793, 71.5071, 66.4939

# 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.



19.5570, 31.9818, 63.7825



47.8297, 31.9818, 32.5064



18.9468, 31.9818, 18.9041

# Square

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



47.8297, 31.9818, 32.5064



29.5778, 31.9818, 7.2336



17.8178, 31.9818, 37.2466



31.2327, 31.9818, 97.1517



# Rectangle

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



47.8297, 31.9818, 32.5064



40.2271, 31.9818, 10.6174



17.8178, 31.9818, 37.2466



22.3161, 31.9818, 81.3618

# Sweetspot

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



47.8306, 31.9835, 32.5070



78.3051, 73.6158, 81.4131



45.4279, 29.5120, 88.0960



16.3892, 15.1776, 16.7983



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.



47.8306, 31.9835, 32.5070



48.9587, 29.4387, 26.8808



48.0235, 36.8459, 18.7704



16.7114, 16.5674, 18.2270



21.0475, 10.7624, 4.9586



1.8941, 0.9636, 0.6690



# Inverse Universe

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



47.8306, 31.9835, 32.5070



48.9587, 29.4387, 26.8808



47.4996, 59.9329, 93.8586



16.7114, 16.5674, 18.2270



21.0475, 10.7624, 4.9586



1.8941, 0.9636, 0.6690



# Previews

## White Background



This preview shows how the XYZ color 47.8297, 31.9818, 32.5064 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 47.8297, 31.9818, 32.5064 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 ✓ Pass

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

**XYZ 47.8297, 31.9818, 32.5064**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.8297, 31.9818, 32.5064.



This preview shows how white text looks on a background with the XYZ color 47.8297, 31.9818,



# 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

47.8297, 31.9818, 32.5064

### Protanopia

31.8054, 32.4011, 45.6520

### Deuteranopia

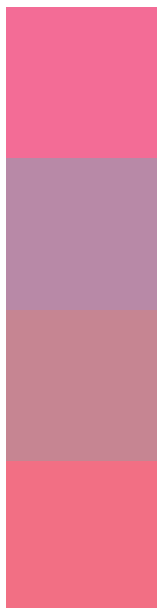
32.6372, 31.9641, 30.8351



## Tritanopia

45.6319, 31.8915, 21.8398

# Trichromacy



## Original Color

47.8297, 31.9818, 32.5064

## Protanomaly

35.6879, 30.8717, 40.6371

## Deuteranomaly

36.8645, 30.8561, 31.2070

## Tritanomaly

46.4672, 31.9121, 25.5403

# Monochromacy



## Original Color

47.8297, 31.9818, 32.5064

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

34.8629, 30.5974, 33.7742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.8297, 31.9818, 32.5064 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(243, 108, 150)` looks like.

```
.text, #text, p{  
    color:rgb(243, 108, 150)  
}
```

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(243, 108, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 108, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 47.8297, 31.9818, 32.5064 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(243, 108, 150) }
```



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

```
.border{ border-color:rgb(243, 108, 150) }
```

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

Here you see how a box with a 4 pixel rgb(243, 108, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 108, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 108, 150);  
box-shadow:4px 4px 4px 4px rgb(243, 108,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.8297, 31.9818, 32.5064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 108, 150) }
```

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

```
.background{ background-color: rgb(243,  
108, 150) }
```

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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