

# Converting Colors

XYZ(47.3599, 33.2284, 30.0998)

Have a look what the booklet for  
XYZ(47.3599, 33.2284, 30.0998)  
contains.

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# Color

**XYZ(47.2544, 33.2310,  
29.9102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0758F
RGB	240, 117, 143
RGB Percent	94%, 46%, 56%
CMY	0.0588, 0.5411, 0.4392
CMYK	0.00, 0.51, 0.40, 0.06
HSL	347°, 80%, 70%
HSV	347°, 51%, 94%
XYZ	47.2544, 33.2310, 29.9102
YIQ	156.7410, 64.9620, 34.1620

# Conversions

## Conversions Part 2

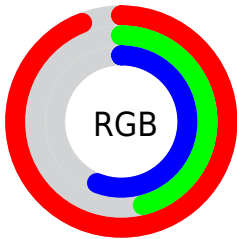
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 117, 143
Decimal	15758735
CIE Lab	64.35, 49.77, 8.52
CIE LCh	64, 50.498, 9.711
Yxy	33.2310, 0.4280, 0.3010
Android (android.graphics.Color)	4293948815 (0xFFFF0758F)
YUV	156.7410, -6.7743, 73.0181
Hunter-Lab	57.6463, 45.4406, 9.5894

# Details

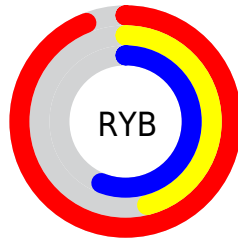
The XYZ color **47.2544, 33.2310, 29.9102** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **50.6356, 70.9579, 74.6502**, and the grayscale version is **31.9415, 33.6050, 36.5958**.

A 20% lighter version of the original color is **66.0706, 54.7963, 59.9178**, and **22.5757, 14.0486, 11.8777** is the 20% darker color. If you saturate the color by 10%, you get **43.4929, 27.8123, 22.1690**, and if you desaturate by 10%, it is **51.9763, 40.1832, 39.1658**.

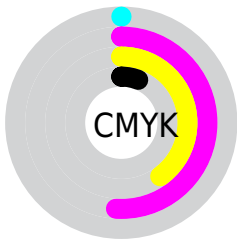
# Distribution



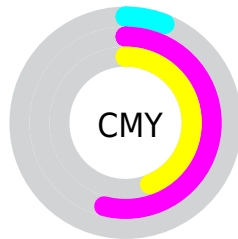
- Red (94%)
- Green (46%)
- Blue (56%)



- Red (94%)
- Yellow (46%)
- Blue (56%)



- Cyan (0%)
- Magenta (51%)
- Yellow (40%)
- Black (6%)




- Cyan (6%)
- Magenta (54%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2544, 33.2310, 29.9102 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 47.2544, 33.2310, 29.9102 by changing the saturation by 10% instead.





 47.2544, 33.2310,  
29.9102


 47.2544, 33.2310,  
29.9102


366.4610,  
316.6893, 315.6799


 33.4456, 22.3035,  
19.5190


 85.3097, 64.7360,  
60.5795

 22.6289, 14.0801,  
11.8653

 110.2869, 86.0823,  
81.6946

 14.4389, 8.1764,  
6.5306


 139.7175,  
111.6702, 107.2214

 8.5103, 4.2080,  
3.0963

173.9671,  
141.8843, 137.5784

 4.4777, 1.7906,  
1.1440

213.4009,  
177.1088, 173.1843

 1.9758, 0.4813,  
0.0000

258.3842,

 0.6203, 0.0000,

217.7283, 214.4574

0.0000

309.2825,  
264.1270, 261.8165

■ 0.0000, 0.0000,  
0.0000

■ 47.2544, 33.2310,  
29.9102

■ 47.2544, 33.2310,  
29.9102

■ 43.4929, 27.8123,  
22.1690

■ 51.9763, 40.1832,  
39.1658

■ 40.6210, 23.8053,  
15.8577

■ 57.7174, 48.7684,  
50.0100

■ 38.5623, 21.0780,  
10.8861


■ 64.5344, 59.0836,  
62.5143

■ 37.2253, 19.4706,  
7.1520

■ 72.4795, 71.2167,  
76.7453

■ 36.5266, 18.7618,  
4.7962

■ 81.6012, 85.2497,  
92.7657

 89.7452, 97.2653,  
108.6517

# Harmonies

## Analogous

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



46.3973, 33.2310, 51.7107



47.2544, 33.2310, 29.9102



43.4503, 33.2310, 16.3325

# Triad

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



47.2544, 33.2310, 29.9102



23.5544, 33.2310, 13.4816



27.0324, 33.2310, 87.4328

# Complementary

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



47.2544, 33.2310, 29.9102



50.6356, 70.9579, 74.6502

# 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.



22.1042, 33.2310, 67.8096



47.2544, 33.2310, 29.9102



20.3175, 33.2310, 24.1236

# Square

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



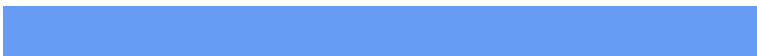
47.2544, 33.2310, 29.9102



29.3113, 33.2310, 9.5162



19.8302, 33.2310, 43.2765



33.9735, 33.2310, 90.8766



# Rectangle

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



47.2544, 33.2310, 29.9102



39.0784, 33.2310, 11.6417



19.8302, 33.2310, 43.2765



25.1166, 33.2310, 82.2338

# Sweetspot

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



47.2553, 33.2327, 29.9108



79.5564, 76.1841, 81.6273



49.6330, 33.2143, 86.2331



16.6148, 15.6750, 16.7311



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.



47.2553, 33.2327, 29.9108



49.9317, 31.9440, 25.4804



50.3512, 42.2193, 22.3272



15.9095, 15.8135, 17.0795



20.0344, 10.2862, 2.8318



1.7020, 0.8698, 0.4214



# Inverse Universe

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



47.2553, 33.2327, 29.9108



49.9317, 31.9440, 25.4804



44.9330, 53.8091, 90.4560



15.9095, 15.8135, 17.0795



20.0344, 10.2862, 2.8318



1.7020, 0.8698, 0.4214



# Previews

## White Background



This preview shows how the XYZ color 47.2544, 33.2310, 29.9102 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 47.2544, 33.2310, 29.9102 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 47.2544, 33.2310, 29.9102**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2544, 33.2310, 29.9102.



This preview shows how white text looks on a background with the XYZ color 47.2544, 33.2310,



# 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

47.2544, 33.2310, 29.9102

### Protanopia

32.4939, 33.6254, 39.8997

### Deuteranopia

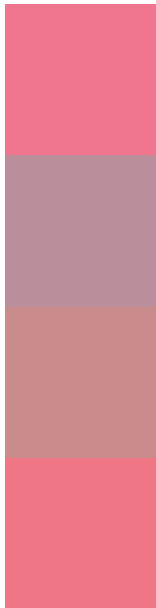
33.9421, 33.4043, 28.3257



## Tritanopia

46.2094, 33.3422, 24.4223

# Trichromacy



## Original Color

47.2544, 33.2310, 29.9102

## Protanomaly

36.1673, 32.3111, 35.7829

## Deuteranomaly

37.9802, 32.7468, 28.7451

## Tritanomaly

46.4271, 33.2378, 26.1589

# Monochromacy



## Original Color

47.2544, 33.2310, 29.9102

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

35.8340, 32.1778, 34.0280

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2544, 33.2310, 29.9102 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(240, 117, 143)` looks like.

```
.text, #text, p{  
    color:rgb(240, 117, 143)  
}
```

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(240, 117, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 117, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2544, 33.2310, 29.9102 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(240, 117, 143) }
```



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

```
.border{ border-color:rgb(240, 117, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 117, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 117, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 117, 143);  
box-shadow:4px 4px 4px 4px rgb(240, 117,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2544, 33.2310, 29.9102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 117, 143) }
```

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

```
.background{ background-color: rgb(240,  
117, 143) }
```

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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