

# Converting Colors

XYZ(47.6176, 30.8834, 29.4380)

Have a look what the booklet for  
XYZ(47.6176, 30.8834, 29.4380)  
contains.

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# Color

**XYZ(47.6176, 30.8834,  
29.4380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6658F
RGB	246, 101, 143
RGB Percent	96%, 40%, 56%
CMY	0.0353, 0.6039, 0.4392
CMYK	0.00, 0.59, 0.42, 0.04
HSL	343°, 89%, 68%
HSV	343°, 59%, 96%
XYZ	47.6176, 30.8834, 29.4380
YIQ	149.1430, 72.9380, 43.8020

# Conversions

## Conversions Part 2

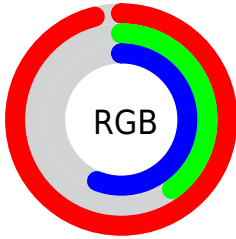
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">246, 101, 143</a>
Decimal	<a href="#">16147855</a>
CIELab	<a href="#">62.41, 59.14, 5.86</a>
CIELCh	<a href="#">62, 59.432, 5.662</a>
Yxy	<a href="#">30.8834, 0.4412, 0.2861</a>
Android (android.graphics.Color)	<a href="#">4294337935</a> ( <a href="#">0xFFFF6658F</a> )
YUV	<a href="#">149.1430, -3.0285, 84.9436</a>
Hunter-Lab	<a href="#">55.5728, 55.6953, 7.4939</a>

# Details

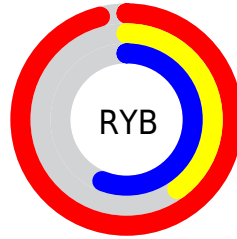
The XYZ color **47.6176, 30.8834, 29.4380** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **49.2235, 73.0385, 68.6351**, and the grayscale version is **28.6194, 30.1098, 32.7896**.

A 20% lighter version of the original color is **63.3750, 49.4052, 59.0192**, and **22.8113, 12.7605, 11.6167** is the 20% darker color. If you saturate the color by 10%, you get **44.3539, 26.3123, 22.3195**, and if you desaturate by 10%, it is **51.8037, 36.9694, 37.8820**.

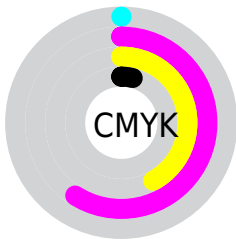
# Distribution



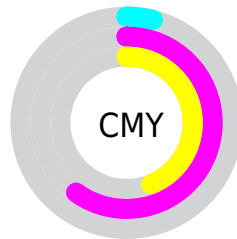
- Red (96%)
- Green (40%)
- Blue (56%)



- Red (96%)
- Yellow (40%)
- Blue (56%)



- Cyan (0%)
- Magenta (59%)
- Yellow (42%)
- Black (4%)




- Cyan (4%)
- Magenta (60%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6176, 30.8834, 29.4380 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 47.6176, 30.8834, 29.4380 by changing the saturation by 10% instead.





 47.6176, 30.8834,  
29.4380


 47.6176, 30.8834,  
29.4380


367.8822,  
306.0008, 313.4013


 33.7341, 20.5101,  
19.1640


 85.8479, 61.0564,  
59.8227


 22.8514, 12.7664,  
11.6108


 110.9255, 81.6250,  
80.7705

 14.6039, 7.2679,  
6.3600


 140.4652,  
106.3607, 106.1133

 8.6264, 3.6302,  
2.9929

 174.8323,  
135.6480, 136.2697

 4.5534, 1.4689,  
1.0910

214.3922,  
169.8712, 171.6581

 2.0197, 0.2667,  
0.0000

259.5102,

 0.6450, 0.0000,

209.4148, 212.6972

0.0000

310.5518,  
254.6632, 259.8054

■ 0.0000, 0.0000,  
0.0000

■ 47.6176, 30.8834,  
29.4380

■ 47.6176, 30.8834,  
29.4380

■ 44.3539, 26.3123,  
22.3195

■ 51.8037, 36.9694,  
37.8820

■ 41.9348, 23.1155,  
16.4528

■ 56.9766, 44.6846,  
47.7160

■ 40.2727, 21.1343,  
11.7583

■ 63.1974, 54.1378,  
59.0020

■ 39.2401, 20.1318,  
8.1382

■ 70.5213, 65.4271,  
71.7976

■ 39.1511, 20.0509,  
7.8094

■ 78.9999, 78.6432,  
86.1572

88.6812, 93.8706,  
102.1323

91.8159, 98.3328,  
108.7486

# Harmonies

## Analogous

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



45.8445, 30.8834, 55.4149



47.6176, 30.8834, 29.4380



43.8183, 30.8834, 13.8316

# Triad

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



47.6176, 30.8834, 29.4380



21.2195, 30.8834, 8.9321



23.4233, 30.8834, 92.3818

# Complementary

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



47.6176, 30.8834, 29.4380



49.2235, 73.0385, 68.6351

# 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.



18.4842, 30.8834, 66.6760



47.6176, 30.8834, 29.4380



17.3843, 30.8834, 18.4612

# Square

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



47.6176, 30.8834, 29.4380



27.8522, 30.8834, 5.9855



16.4831, 30.8834, 38.1952



30.9083, 30.8834, 99.8824



# Rectangle

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



47.6176, 30.8834, 29.4380



38.9837, 30.8834, 8.6913



16.4831, 30.8834, 38.1952



21.4566, 30.8834, 85.1495

# Sweetspot

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



47.6184, 30.8850, 29.4385



77.3026, 72.2051, 79.2467



45.7823, 28.5896, 90.2938



16.0158, 14.6334, 16.0491



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.



47.6184, 30.8850, 29.4385



47.4763, 27.6672, 22.7073



48.3389, 36.4997, 16.8116



16.6965, 16.5615, 18.1483



20.9500, 10.7234, 4.4449



1.8840, 0.9596, 0.6157



# Inverse Universe

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



47.6184, 30.8850, 29.4385



47.4763, 27.6672, 22.7073



46.8155, 59.0475, 96.1183



16.6965, 16.5615, 18.1483



20.9500, 10.7234, 4.4449



1.8840, 0.9596, 0.6157



# Previews

## White Background



This preview shows how the XYZ color 47.6176, 30.8834, 29.4380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

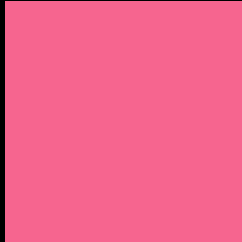
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.6176, 30.8834, 29.4380 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 47.6176, 30.8834, 29.4380**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.6176, 30.8834, 29.4380.



This preview shows how white text looks on a background with the XYZ color 47.6176, 30.8834,

29.4380.

# 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

47.6176, 30.8834, 29.4380

### Protanopia

30.4698, 31.0489, 42.9152

### Deuteranopia

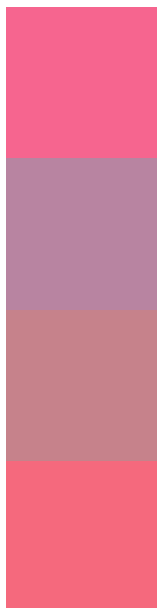
31.5174, 30.9933, 27.6137



## Tritanopia

45.6032, 30.9634, 19.4926

# Trichromacy



## Original Color

47.6176, 30.8834, 29.4380

## Protanomaly

34.4515, 29.2661, 37.5513

## Deuteranomaly

35.9315, 29.8351, 28.2911

## Tritanomaly

46.4094, 30.9963, 22.9389

# Monochromacy



## Original Color

47.6176, 30.8834, 29.4380

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

33.2849, 28.7995, 31.4083

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.6176, 30.8834, 29.4380 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(246, 101, 143)` looks like.

```
.text, #text, p{  
    color:rgb(246, 101, 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(246, 101, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 101, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 47.6176, 30.8834, 29.4380 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(246, 101, 143) }
```



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

```
.border{ border-color:rgb(246, 101, 143) }
```

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

Here you see how a box with a 4 pixel rgb(246, 101, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 101, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 101, 143);  
box-shadow:4px 4px 4px 4px rgb(246, 101,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.6176, 30.8834, 29.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 101, 143) }
```

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

```
.background{ background-color: rgb(246,  
101, 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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