

# Converting Colors

XYZ(46.8734, 28.7586, 31.8679)

Have a look what the booklet for  
XYZ(46.8734, 28.7586, 31.8679)  
contains.

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# Color

**XYZ(47.0008, 28.7743,  
31.9309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F65896
RGB	246, 88, 150
RGB Percent	96%, 35%, 59%
CMY	0.0353, 0.6549, 0.4118
CMYK	0.00, 0.64, 0.39, 0.04
HSL	336°, 90%, 65%
HSV	336°, 64%, 96%
XYZ	47.0008, 28.7743, 31.9309
YIQ	142.3100, 74.2660, 52.7780

# Conversions

## Conversions Part 2

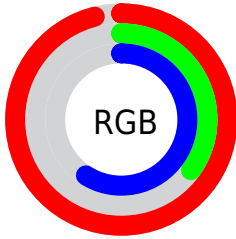
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 88, 150
Decimal	16144534
CIE Lab	60.58, 65.30, -0.84
CIE LCh	61, 65.301, 359.264
Yxy	28.7743, 0.4364, 0.2672
Android (android.graphics.Color)	4294334614 (0xFFFF65896)
YUV	142.3100, 3.7912, 90.9361
Hunter-Lab	53.6417, 62.5286, 2.2560

# Details

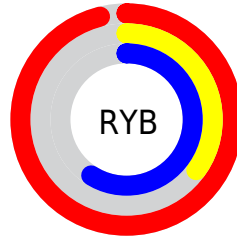
The XYZ color **47.0008, 28.7743, 31.9309** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **45.6338, 71.4478, 56.7379**, and the grayscale version is **25.8001, 27.1437, 29.5595**.

A 20% lighter version of the original color is **62.4180, 46.1774, 62.7501**, and **22.4450, 11.5857, 12.8577** is the 20% darker color. If you saturate the color by 10%, you get **44.1832, 24.9441, 25.4272**, and if you desaturate by 10%, it is **50.6545, 34.0308, 39.4714**.

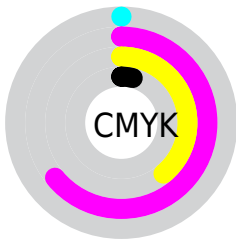
# Distribution



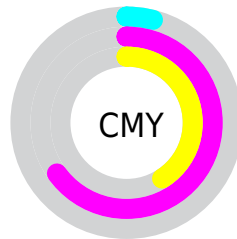
- Red (96%)
- Green (35%)
- Blue (59%)



- Red (96%)
- Yellow (35%)
- Blue (59%)



- Cyan (0%)
- Magenta (64%)
- Yellow (39%)
- Black (4%)



- Cyan (4%)
- Magenta (65%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0008, 28.7743, 31.9309 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 47.0008, 28.7743, 31.9309 by changing the saturation by 10% instead.





 47.0008, 28.7743,  
31.9309


 47.0008, 28.7743,  
31.9309

365.4666,  
296.1486, 325.2874


 33.2442, 18.9101,  
21.0443


 84.9336, 57.7183,  
63.7994


 22.4737, 11.6054,  
12.9649


 109.8404, 77.5669,  
85.6184

 14.3240, 6.4756,  
7.2739

 139.1948,  
101.5125, 111.9187

 8.4295, 3.1364,  
3.5530

 173.3621,  
129.9395, 143.1187

 4.4251, 1.2033,  
1.3834

212.7075,  
163.2321, 179.6370

 1.9453, 0.0644,  
0.1288

257.5965,

 0.6030, 0.0000,

201.7749, 221.8922

0.0000

308.3944,  
245.9523, 270.3028

■ 0.0000, 0.0000,  
0.0000

■ 47.0008, 28.7743,  
31.9309

■ 47.0008, 28.7743,  
31.9309

■ 44.1832, 24.9441,  
25.4272

■ 50.6545, 34.0308,  
39.4714

■ 42.1219, 22.3900,  
19.9044

■ 55.2091, 40.8348,  
48.0964


■ 40.7238, 20.9357,  
15.3017


■ 60.7254, 49.2994,  
57.8522


■ 40.1415, 20.4470,  
13.0241

■ 67.2582, 59.5261,  
68.7812

■ 74.8576, 71.6080,  
80.9237

 83.5708, 85.6317,  
94.3179

 91.7572, 98.3093,  
108.4386

 91.8160, 98.3328,  
108.7487

# Harmonies

## Analogous

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



43.8069, 28.7743, 61.5981



47.0008, 28.7743, 31.9309



44.0928, 28.7743, 13.6578

# Triad

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



47.0008, 28.7743, 31.9309



20.1573, 28.7743, 5.7582



19.8642, 28.7743, 90.6765

# Complementary

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



47.0008, 28.7743, 31.9309



45.6338, 71.4478, 56.7379

# 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.



15.4927, 28.7743, 59.9901



47.0008, 28.7743, 31.9309



15.6358, 28.7743, 13.0721

# Square

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



47.0008, 28.7743, 31.9309



27.5580, 28.7743, 4.0464



14.1181, 28.7743, 30.7373



27.1413, 28.7743, 104.5854



# Rectangle

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



47.0008, 28.7743, 31.9309



39.3671, 28.7743, 7.6584



14.1181, 28.7743, 30.7373



18.0658, 28.7743, 81.4011

# Sweetspot

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



47.0016, 28.7758, 31.9314



77.1112, 71.1348, 81.3019



39.6068, 23.6780, 89.6716



16.0083, 14.4375, 16.6040



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.



47.0016, 28.7758, 31.9314



47.2081, 26.1209, 25.7317



44.6989, 30.1597, 12.7001



16.7684, 16.5902, 18.5268



21.4901, 10.9395, 7.2892



1.9377, 0.9811, 0.8985



# Inverse Universe

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



47.0016, 28.7758, 31.9314



47.2081, 26.1209, 25.7317



49.0127, 65.4345, 97.2357



16.7684, 16.5902, 18.5268



21.4901, 10.9395, 7.2892



1.9377, 0.9811, 0.8985



# Previews

## White Background



This preview shows how the XYZ color 47.0008, 28.7743, 31.9309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

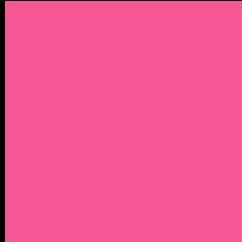
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 47.0008, 28.7743, 31.9309 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 47.0008, 28.7743, 31.9309**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.0008, 28.7743, 31.9309.



This preview shows how white text looks on a background with the XYZ color 47.0008, 28.7743,



# 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

47.0008, 28.7743, 31.9309

### Protanopia

29.0357, 28.9878, 49.9638

### Deuteranopia

29.4558, 28.9804, 29.6325



## Tritanopia

43.8285, 28.7895, 16.3436

# Trichromacy



## Original Color

47.0008, 28.7743, 31.9309



## Protanomaly

32.5585, 26.6240, 42.4526



## Deuteranomaly

34.0627, 27.3009, 30.2624



## Tritanomaly

44.7621, 28.6190, 21.2540

# Monochromacy



## Original Color

47.0008, 28.7743, 31.9309



## Achromatopsia

25.7108, 27.0498, 29.4572



## Achromatomaly

30.8928, 25.6667, 30.1140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.0008, 28.7743, 31.9309 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, 88, 150)` looks like.

```
.text, #text, p{  
    color:rgb(246, 88, 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(246, 88, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 88, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 47.0008, 28.7743, 31.9309 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, 88, 150) }
```



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

```
.border{ border-color:rgb(246, 88, 150) }
```

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

Here you see how a box with a 4 pixel rgb(246, 88, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 88, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 88, 150);  
box-shadow:4px 4px 4px 4px rgb(246, 88,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.0008, 28.7743, 31.9309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 88, 150) }
```

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

```
.background{ background-color: rgb(246, 88,  
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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