

# Converting Colors

XYZ(47.8258, 26.8252, 42.7914)

Have a look what the booklet for XYZ(47.8258, 26.8252, 42.7914) contains.

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# Color

**XYZ(47.7131, 26.7831,  
42.6993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F644AE
RGB	246, 68, 174
RGB Percent	96%, 27%, 68%
CMY	0.0353, 0.7333, 0.3176
CMYK	0.00, 0.72, 0.29, 0.04
HSL	324°, 91%, 62%
HSV	324°, 72%, 96%
XYZ	47.7131, 26.7831, 42.6993
YIQ	133.3060, 72.0620, 70.7020

# Conversions

## Conversions Part 2

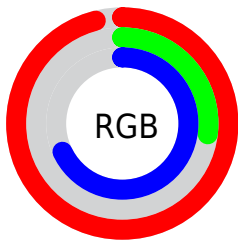
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 68, 174
Decimal	16139438
CIE <sub>Lab</sub>	58.77, 75.08, -17.47
CIE <sub>LCh</sub>	59, 77.086, 346.899
Yxy	26.7831, 0.4071, 0.2285
Android (android.graphics.Color)	4294329518 (0xFFFF644AE)
YUV	133.3060, 20.0621, 98.8326
Hunter-Lab	51.7524, 74.0013, -12.6917

# Details

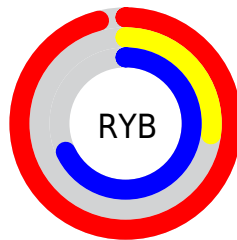
The XYZ color **47.7131, 26.7831, 42.6993** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed rose. A complement of this color would be **40.0750, 69.0347, 36.0282**, and the grayscale version is **22.3184, 23.4807, 25.5705**.

A 20% lighter version of the original color is **63.5056, 42.9384, 79.8037**, and **23.5204, 11.7194, 19.4348** is the 20% darker color. If you saturate the color by 10%, you get **45.5903, 24.0328, 37.3812**, and if you desaturate by 10%, it is **50.5331, 30.8122, 48.6048**.

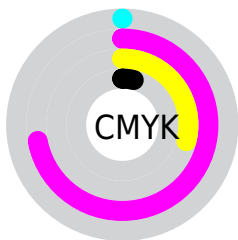
# Distribution



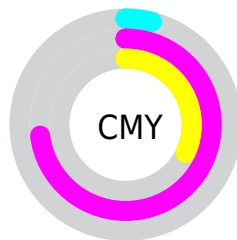
- Red (96%)
- Green (27%)
- Blue (68%)



- Red (96%)
- Yellow (27%)
- Blue (68%)



- Cyan (0%)
- Magenta (72%)
- Yellow (29%)
- Black (4%)



- Cyan (4%)
- Magenta (73%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7131, 26.7831, 42.6993 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 47.7131, 26.7831, 42.6993 by changing the saturation by 10% instead.



47.7131, 26.7831,  
42.6993

47.7131, 26.7831,  
42.6993

368.2553,  
286.6054, 373.2585

33.8100, 17.4104,  
29.3196

85.9894, 54.5356,  
80.5384

22.9099, 10.5275,  
19.0751

111.0933, 73.6842,  
105.8348

14.6473, 5.7501,  
11.5472

140.6616, 96.8602,  
135.9406

8.6569, 2.6937,  
6.3174

175.0595,  
124.4481, 171.2743

4.5734, 0.9740,  
2.9671

214.6525,  
156.8321, 212.2544

2.0314, 0.0000,  
1.0779

259.8059,

0.6515, 0.0000,

194.3967, 259.2994

0.0000

310.8851,  
237.5264, 312.8279

■ 0.0000, 0.0000,  
0.0000

■ 47.7131, 26.7831,  
42.6993

■ 47.7131, 26.7831,  
42.6993

■ 45.5903, 24.0328,  
37.3812

■ 50.5331, 30.8122,  
48.6048

■ 44.0767, 22.3886,  
32.6131


■ 54.1187, 36.2555,  
55.1274


■ 43.2324, 21.6834,  
29.3005


■ 58.5326, 43.2355,  
62.2952


■ 63.8300, 51.8603,  
70.1338

■ 70.0609, 62.2282,  
78.6665

 77.2719, 74.4296,  
87.9154

 85.5059, 88.5487,  
97.9014

 91.5930, 98.2436,  
107.5741

 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.



41.2580, 26.7831, 81.4989



47.7131, 26.7831, 42.6993



47.2384, 26.7831, 16.4458

# Triad

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



47.7131, 26.7831, 42.6993



20.5075, 26.7831, 2.2844



14.9043, 26.7831, 86.4606

# Complementary

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



47.7131, 26.7831, 42.6993



40.0750, 69.0347, 36.0282

# 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.



11.6739, 26.7831, 47.1649



47.7131, 26.7831, 42.6993



14.3132, 26.7831, 6.0331

# Square

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



47.7131, 26.7831, 42.6993



29.8253, 26.7831, 2.1241



11.4886, 26.7831, 18.8393



21.5367, 26.7831, 115.5455



# Rectangle

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



47.7131, 26.7831, 42.6993



43.0356, 26.7831, 7.6803



11.4886, 26.7831, 18.8393



13.4652, 26.7831, 73.1962

# Sweetspot

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



47.7139, 26.7845, 42.6998



76.2495, 67.9045, 85.6605



29.3845, 16.2963, 88.7856



15.9034, 13.8353, 17.7788



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.



47.7139, 26.7845, 42.6998



48.6030, 25.0821, 38.0000



41.7460, 24.3973, 11.2730



16.9133, 16.6482, 19.2903



23.1471, 11.6023, 16.0148



2.0852, 1.0401, 1.6751



# Inverse Universe

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



47.7139, 26.7845, 42.6998



48.6030, 25.0821, 38.0000



49.3720, 72.7535, 84.9860



16.9133, 16.6482, 19.2903



23.1471, 11.6023, 16.0148



2.0852, 1.0401, 1.6751



# Previews

## White Background



This preview shows how the XYZ color 47.7131, 26.7831, 42.6993 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

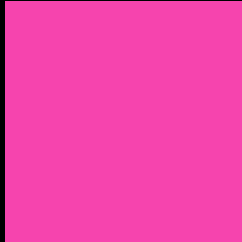
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.7131, 26.7831, 42.6993 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 47.7131, 26.7831, 42.6993**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.7131, 26.7831, 42.6993.



This preview shows how white text looks on a background with the XYZ color 47.7131, 26.7831,



# 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

47.7131, 26.7831, 42.6993

### Protanopia

29.2668, 27.2074, 75.6605

### Deuteranopia

27.4664, 26.8770, 38.8621



## Tritanopia

41.7027, 26.6821, 14.0185

# Trichromacy



## Original Color

47.7131, 26.7831, 42.6993



## Protanomaly

31.4657, 23.6862, 61.9449



## Deuteranomaly

32.2644, 24.5825, 40.0902



## Tritanomaly

43.2733, 26.3671, 21.8774

# Monochromacy



## Original Color

47.7131, 26.7831, 42.6993



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

28.2695, 22.0741, 30.7877

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.7131, 26.7831, 42.6993 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, 68, 174)` looks like.

```
.text, #text, p{  
    color:rgb(246, 68, 174)  
}
```

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, 68, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 68, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 47.7131, 26.7831, 42.6993 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, 68, 174) }
```



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

```
.border{ border-color:rgb(246, 68, 174) }
```

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

Here you see how a box with a 4 pixel rgb(246, 68, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 68, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 68, 174);  
box-shadow:4px 4px 4px 4px rgb(246, 68,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.7131, 26.7831, 42.6993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 68, 174) }
```

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

```
.background{ background-color: rgb(246, 68,  
174) }
```

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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