

# Converting Colors

XYZ(35.6060, 30.8684, 47.2408)

Have a look what the booklet for  
XYZ(35.6060, 30.8684, 47.2408)  
contains.

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# Color

**XYZ(35.6868, 30.9372,  
47.2706)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B28AB4
RGB	178, 138, 180
RGB Percent	70%, 54%, 71%
CMY	0.3020, 0.4588, 0.2941
CMYK	0.01, 0.23, 0.00, 0.29
HSL	297°, 22%, 62%
HSV	297°, 23%, 71%
XYZ	35.6868, 30.9372, 47.2706
YIQ	154.7480, 10.3580, 21.5420

# Conversions

## Conversions Part 2

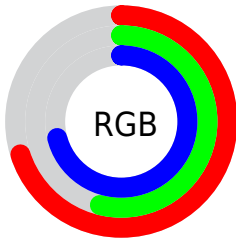
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 138, 180
Decimal	11700916
CIELab	62.45, 22.54, -16.17
CIELCh	62, 27.746, 324.345
Yxy	30.9372, 0.3133, 0.2716
Android (android.graphics.Color)	4289890996 (0xFFB28AB4)
YUV	154.7480, 12.4492, 20.3920
Hunter-Lab	55.6212, 17.1892, -11.4537

# Details

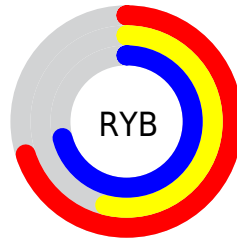
The XYZ color **35.6868, 30.9372, 47.2706** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.7250, 40.0537, 30.1053**, and the grayscale version is **30.9887, 32.6025, 35.5042**.

A 20% lighter version of the original color is **67.9216, 61.2478, 87.5990**, and **15.7779, 12.8717, 21.7316** is the 20% darker color. If you saturate the color by 10%, you get **33.1196, 26.0933, 46.4714**, and if you desaturate by 10%, it is **38.6851, 36.6404, 48.2139**.

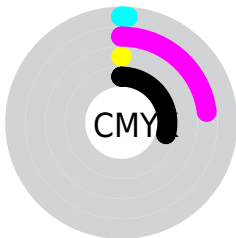
# Distribution



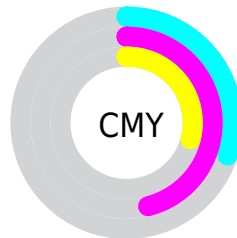
- Red (70%)
- Green (54%)
- Blue (71%)



- Red (70%)
- Yellow (54%)
- Blue (71%)



- Cyan (1%)
- Magenta (23%)
- Yellow (0%)
- Black (29%)




- Cyan (30%)
- Magenta (46%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6868, 30.9372, 47.2706 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 35.6868, 30.9372, 47.2706 by changing the saturation by 10% instead.





 35.6868, 30.9372,  
47.2706


 35.6868, 30.9372,  
47.2706


319.0447,  
306.2489, 392.3186


 24.3614, 20.5510,  
32.8937


 67.8754, 61.1412,  
87.4716

 15.7281, 12.7962,  
21.7746


 89.4693, 81.7278,  
114.1328

 9.4216, 7.2884,  
13.4947


 115.2168,  
106.4833, 145.7260

 5.0765, 3.6431,  
7.6353

145.4831,  
135.7922, 182.6695

 2.3274, 1.4760,  
3.7781

180.6338,  
170.0388, 225.3820

 0.8086, 0.2717,  
1.5044

221.0340,

 0.0000, 0.0000,

209.6075, 274.2820

0.2212

267.0492,  
254.8828, 329.7880

■ 0.0000, 0.0000,  
0.0000

■ 35.6868, 30.9372,  
47.2706

■ 35.6868, 30.9372,  
47.2706

■ 33.1196, 26.0933,  
46.4714

■ 38.6851, 36.6404,  
48.2139

■ 30.9596, 22.0624,  
45.8072

■ 42.1313, 43.2382,  
49.3057

■ 29.1849, 18.8004,  
45.2711

■ 46.0448, 50.7686,  
50.5530

■ 27.7703, 16.2568,  
44.8547

■ 50.4429, 59.2664,  
51.9614

■ 26.6878, 14.3756,  
44.5486

■ 55.3420, 68.7645,  
53.5365

■ 25.9051, 13.0922,  
44.3422

■ 60.7580, 79.2944,  
55.2836

■ 25.3836, 12.3293,  
44.2224

■ 63.7656, 85.0057,  
56.2274

■ 25.1269, 12.0017,  
44.1727

■ 63.9715, 85.1119,  
56.2371

■ 64.1787, 85.2187,  
56.2468

# Harmonies

## Analogous

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



32.4906, 30.9372, 56.3203



35.6868, 30.9372, 47.2706



37.2117, 30.9372, 35.7695

# Triad

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



35.6868, 30.9372, 47.2706



30.1239, 30.9372, 16.9815



23.2912, 30.9372, 42.9733

# Complementary

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



35.6868, 30.9372, 47.2706



31.7250, 40.0537, 30.1053

# 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.



22.7743, 30.9372, 31.6838



35.6868, 30.9372, 47.2706



26.5210, 30.9372, 18.1092

# Square

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



35.6868, 30.9372, 47.2706



33.8289, 30.9372, 19.4935



23.9071, 30.9372, 22.9895



25.3844, 30.9372, 53.4917



# Rectangle

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



35.6868, 30.9372, 47.2706



36.9893, 30.9372, 28.8061



23.9071, 30.9372, 22.9895



22.9353, 30.9372, 39.0866

# Sweetspot

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



35.6878, 30.9385, 47.2713



73.9272, 73.6719, 88.6183



28.1134, 27.4854, 47.0040



15.8987, 15.7706, 19.1283



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.6878, 30.9385, 47.2713



62.2170, 51.3859, 84.9339



34.3537, 30.4583, 37.8339



8.8093, 8.6257, 10.7070



17.5533, 8.3849, 30.8303



0.5644, 0.2701, 0.9706



# Inverse Universe

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



32.6455, 29.7750, 28.8388



55.7508, 48.9174, 45.5532



32.8808, 40.4775, 37.9346



8.5122, 8.5116, 8.9298



13.1768, 6.7883, 0.8250

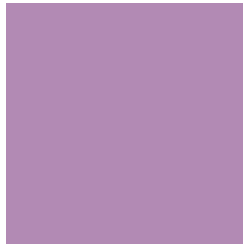


0.4200, 0.2157, 0.0544



# Previews

## White Background



This preview shows how the XYZ color 35.6868, 30.9372, 47.2706 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

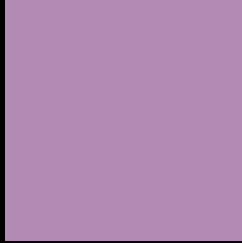
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.6868, 30.9372, 47.2706 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

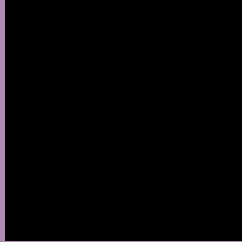
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 35.6868, 30.9372, 47.2706**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.6868, 30.9372, 47.2706.



This preview shows how white text looks on a background with the XYZ color 35.6868, 30.9372,



# 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

35.6868, 30.9372, 47.2706

### Protanopia

31.1388, 31.1943, 51.9569

### Deuteranopia

31.7627, 31.1665, 46.4611



## Tritanopia

33.1108, 30.9767, 34.8058

# Trichromacy



## Original Color

35.6868, 30.9372, 47.2706

## Protanomaly

32.5534, 31.0291, 50.1724

## Deuteranomaly

33.0102, 30.8826, 46.8689

## Tritanomaly

33.8149, 30.8081, 38.8146

# Monochromacy



## Original Color

35.6868, 30.9372, 47.2706

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

32.5525, 31.9618, 39.5755

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.6868, 30.9372, 47.2706 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(178, 138, 180)` looks like.

```
.text, #text, p{  
    color:rgb(178, 138, 180)  
}
```

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(178, 138, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 138, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 35.6868, 30.9372, 47.2706 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(178, 138, 180) }
```



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

```
.border{ border-color:rgb(178, 138, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 138, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 138, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 138, 180);  
box-shadow:4px 4px 4px 4px rgb(178, 138,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.6868, 30.9372, 47.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 138, 180) }
```

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

```
.background{ background-color: rgb(178,  
138, 180) }
```

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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