

# Converting Colors

XYZ(47.4611, 32.8445, 48.4888)

Have a look what the booklet for  
XYZ(47.4611, 32.8445, 48.4888)  
contains.

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# Color

**XYZ(47.5417, 32.9645,  
48.6568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E675B7
RGB	230, 117, 183
RGB Percent	90%, 46%, 72%
CMY	0.0980, 0.5412, 0.2824
CMYK	0.00, 0.49, 0.20, 0.10
HSL	325°, 69%, 68%
HSV	325°, 49%, 90%
XYZ	47.5417, 32.9645, 48.6568
YIQ	158.3110, 46.1620, 44.4820

# Conversions

## Conversions Part 2

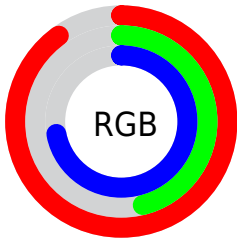
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 117, 183
Decimal	15103415
CIE <sub>Lab</sub>	64.13, 51.50, -14.75
CIE <sub>LCh</sub>	64, 53.573, 344.022
Yxy	32.9645, 0.3681, 0.2552
Android (android.graphics.Color)	4293293495 (0xFFE675B7)
YUV	158.3110, 12.1717, 62.8713
Hunter-Lab	57.4147, 47.3294, -10.0557

# Details

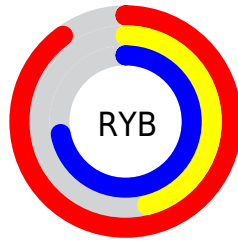
The XYZ color **47.5417, 32.9645, 48.6568** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **42.3354, 63.0569, 45.0649**, and the grayscale version is **32.5734, 34.2697, 37.3197**.

A 20% lighter version of the original color is **71.5725, 56.9970, 88.8906**, and **22.8200, 13.9374, 22.6065** is the 20% darker color. If you saturate the color by 10%, you get **44.2215, 27.8636, 42.8031**, and if you desaturate by 10%, it is **51.5898, 39.4121, 55.0878**.

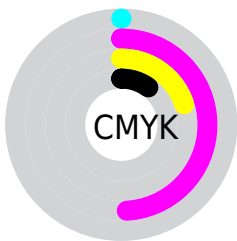
# Distribution



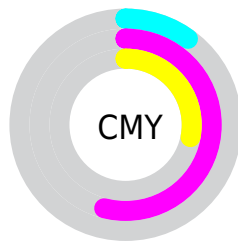
- Red (90%)
- Green (46%)
- Blue (72%)



- Red (90%)
- Yellow (46%)
- Blue (72%)



- Cyan (0%)
- Magenta (49%)
- Yellow (20%)
- Black (10%)



- Cyan (10%)
- Magenta (54%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5417, 32.9645, 48.6568 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 47.5417, 32.9645, 48.6568 by changing the saturation by 10% instead.





 47.5417, 32.9645,  
48.6568


 47.5417, 32.9645,  
48.6568


367.5855,  
315.4897, 397.9732


 33.6738, 22.0993,  
33.9836


 85.7355, 64.3201,  
89.5572

 22.8048, 13.9298,  
22.6038


 110.7921, 85.5792,  
116.6215

 14.5694, 8.0719,  
14.0987


 140.3090,  
111.0718, 148.6533

 8.6021, 4.1410,  
8.0498

174.6516,  
141.1822, 186.0711

 4.5376, 1.7527,  
4.0386

214.1852,  
176.2948, 229.2935

 2.0105, 0.4575,  
1.6465

259.2751,

 0.6399, 0.0000,

216.7940, 278.7389

0.3237

310.2868,  
263.0642, 334.8260

■ 0.0000, 0.0000,  
0.0000

■ 47.5417, 32.9645,  
48.6568

■ 47.5417, 32.9645,  
48.6568

■ 44.2215, 27.8636,  
42.8031

■ 51.5898, 39.4121,  
55.0878

■ 41.5758, 24.0059,  
37.5013

■ 56.4083, 47.2904,  
62.1155

■ 39.5483, 21.2806,  
32.7262


■ 62.0396, 56.6821,  
69.7609


■ 38.0714, 19.5547,  
28.4482


■ 68.5224, 67.6621,  
78.0427

■ 37.0400, 18.6206,  
24.6250

■ 75.8924, 80.3003,  
86.9788

 36.9596, 18.5536,  
24.3090

 84.1813, 94.6583,  
96.5855

 85.6438, 95.2433,  
104.2867

 86.4433, 95.5631,  
108.4972

# Harmonies

## Analogous

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



42.5947, 32.9645, 75.0668



47.5417, 32.9645, 48.6568



47.7120, 32.9645, 26.6967

# Triad

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



47.5417, 32.9645, 48.6568



27.9304, 32.9645, 8.7120



21.9740, 32.9645, 73.4304

# Complementary

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



47.5417, 32.9645, 48.6568



42.3354, 63.0569, 45.0649

# 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.



19.2087, 32.9645, 46.9897



47.5417, 32.9645, 48.6568



22.2530, 32.9645, 13.4622

# Square

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



47.5417, 32.9645, 48.6568



35.5188, 32.9645, 8.8563



19.3018, 32.9645, 25.5823



27.4875, 32.9645, 92.8571



# Rectangle

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



47.5417, 32.9645, 48.6568



45.0354, 32.9645, 17.2329



19.3018, 32.9645, 25.5823



20.7350, 32.9645, 64.6897

# Sweetspot

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



47.5427, 32.9661, 48.6574



81.5817, 76.9942, 92.2926



35.5868, 26.1400, 78.0333



17.1002, 15.8691, 19.2870



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.



47.5427, 32.9661, 48.6574



55.8069, 35.0962, 53.9466



42.9118, 31.1137, 24.2716



14.7283, 14.5085, 16.7694



20.9866, 10.5289, 14.0903



1.5969, 0.7965, 1.2836



# Inverse Universe

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



47.5427, 32.9661, 48.6574



55.8069, 35.0962, 53.9466



48.3809, 65.4751, 76.8998



14.7283, 14.5085, 16.7694



20.9866, 10.5289, 14.0903

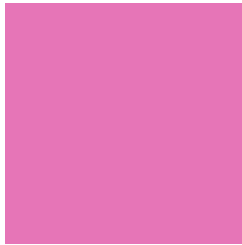


1.5969, 0.7965, 1.2836



# Previews

## White Background



This preview shows how the XYZ color 47.5417, 32.9645, 48.6568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

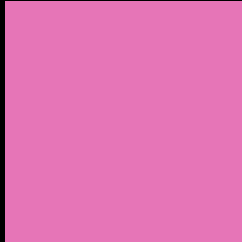
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.5417, 32.9645, 48.6568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

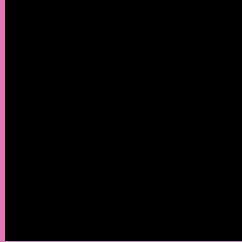
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.5417, 32.9645, 48.6568**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.5417, 32.9645, 48.6568.



This preview shows how white text looks on a background with the XYZ color 47.5417, 32.9645,



# 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

47.5417, 32.9645, 48.6568

### Protanopia

33.8794, 33.2901, 64.9616

### Deuteranopia

33.8620, 33.2079, 46.2200



## Tritanopia

43.0846, 32.9639, 27.3844

# Trichromacy



## Original Color

47.5417, 32.9645, 48.6568



## Protanomaly

37.1838, 32.1041, 58.8805



## Deuteranomaly

37.6190, 32.1590, 46.8724



## Tritanomaly

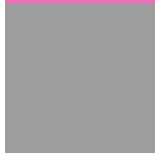
44.5113, 32.7967, 34.1214

# Monochromacy



## Original Color

47.5417, 32.9645, 48.6568



## Achromatopsia

32.4990, 34.1914, 37.2345



## Achromatomaly

36.5647, 32.6253, 40.9294

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.5417, 32.9645, 48.6568 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(230, 117, 183)` looks like.

```
.text, #text, p{  
    color:rgb(230, 117, 183)  
}
```

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(230, 117, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 117, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 47.5417, 32.9645, 48.6568 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(230, 117, 183) }
```



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

```
.border{ border-color:rgb(230, 117, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 117, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 117, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 117, 183);  
box-shadow:4px 4px 4px 4px rgb(230, 117,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.5417, 32.9645, 48.6568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 117, 183) }
```

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

```
.background{ background-color: rgb(230,  
117, 183) }
```

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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