

# Converting Colors

XYZ(47.2816, 40.7232, 49.6312)

Have a look what the booklet for  
XYZ(47.2816, 40.7232, 49.6312)  
contains.

<b>XYZ(47.3162, 40.8171, 49.6406)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.3162, 40.8171,  
49.6406)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D49BB6
RGB	212, 155, 182
RGB Percent	83%, 61%, 71%
CMY	0.1686, 0.3921, 0.2863
CMYK	0.00, 0.27, 0.14, 0.17
HSL	332°, 40%, 72%
HSV	332°, 27%, 83%
XYZ	47.3162, 40.8171, 49.6406
YIQ	175.1210, 25.3050, 20.4810

# Conversions

## Conversions Part 2

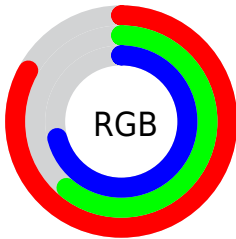
Format	Color
R <sub>YB</sub>	212, 155, 182
Decimal	13933494
CIE Lab	70.05, 25.38, -5.57
CIE LCh	70, 25.982, 347.617
Yxy	40.8171, 0.3434, 0.2963
Android (android.graphics.Color)	4292123574 (0xFFD49BB6)
YUV	175.1210, 3.3913, 32.3429
Hunter-Lab	63.8883, 20.3942, -1.3460

# Details

The XYZ color **47.3162, 40.8171, 49.6406** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.8197, 57.5594, 54.5967**, and the grayscale version is **40.7850, 42.9090, 46.7278**.

A 20% lighter version of the original color is **79.7192, 73.5262, 90.8792**, and **22.7173, 18.4536, 23.1334** is the 20% darker color. If you saturate the color by 10%, you get **42.9854, 33.9277, 42.7324**, and if you desaturate by 10%, it is **52.3606, 48.9857, 57.2410**.

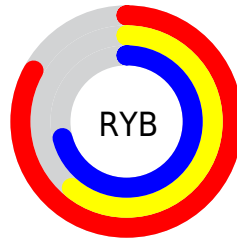
# Distribution



Red (83%)

Green (61%)

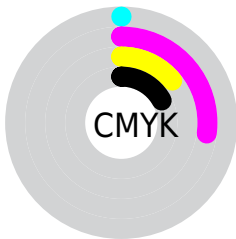
Blue (71%)



Red (83%)

Yellow (61%)

Blue (71%)

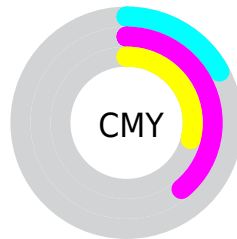


Cyan (0%)

Magenta (27%)

Yellow (14%)

Black (17%)



Cyan (17%)

Magenta (39%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3162, 40.8171, 49.6406 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 47.3162, 40.8171, 49.6406 by changing the saturation by 10% instead.




 47.3162, 40.8171,  
49.6406


 47.3162, 40.8171,  
49.6406


366.7031,  
349.5556, 401.9535

 33.4947, 28.1762,  
34.7587


 85.4013, 76.4062,  
91.0330

 22.6667, 18.4585,  
23.1950


 110.3956,  
100.1231, 118.3805

 14.4670, 11.2797,  
14.5309


139.8448,  
128.3009, 150.7204

 8.5300, 6.2553,  
8.3479

174.1144,  
161.3239, 188.4712

 4.4906, 3.0009,  
4.2274

213.5697,  
199.5764, 232.0513

 1.9832, 1.1322,  
1.7509

258.5760,

 0.6245, 0.0053,

243.4430, 281.8794

0.3953

309.4987,  
293.3079, 338.3740

■ 0.0000, 0.0000,  
0.0000

■ 47.3162, 40.8171,  
49.6406

■ 47.3162, 40.8171,  
49.6406

■ 42.9854, 33.9277,  
42.7324

■ 52.3606, 48.9857,  
57.2410

■ 39.3302, 28.2464,  
36.4919

■ 58.1473, 58.4888,  
65.5519

■ 36.3143, 23.7035,  
30.8966

■ 64.7074, 69.3853,  
74.5941

■ 33.8963, 20.2198,  
25.9212

■ 72.0693, 81.7287,  
84.3865

■ 32.0294, 17.7059,  
21.5384

■ 78.3140, 91.6781,  
94.2987

■ 30.6596, 16.0574,  
17.7178

■ 80.0032, 92.3538,  
103.1936

■ 29.7164, 15.1378,  
14.4231

■ 80.9616, 92.7372,  
108.2407

■ 29.4719, 14.9253,  
13.4894

# Harmonies

## Analogous

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



45.1348, 40.8171, 62.1140



47.3162, 40.8171, 49.6406



47.0966, 40.8171, 37.7439

# Triad

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



47.3162, 40.8171, 49.6406



36.3798, 40.8171, 25.6960



33.5550, 40.8171, 64.0178

# Complementary

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



47.3162, 40.8171, 49.6406



45.8197, 57.5594, 54.5967

# 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.



31.5319, 40.8171, 51.8910



47.3162, 40.8171, 49.6406



33.0793, 40.8171, 30.4881

# Square

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



47.3162, 40.8171, 49.6406



40.5702, 40.8171, 25.3149



31.3644, 40.8171, 39.6213



37.0732, 40.8171, 71.3733



# Rectangle

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



47.3162, 40.8171, 49.6406



45.6186, 40.8171, 31.6598



31.3644, 40.8171, 39.6213



32.6890, 40.8171, 60.2731

# Sweetspot

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



47.3174, 40.8190, 49.6414



87.2030, 86.9955, 97.9927



43.4818, 38.4442, 67.4166



18.3676, 18.1303, 20.5528



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.



47.3174, 40.8190, 49.6414



68.1503, 56.0568, 69.5484



44.9493, 40.1257, 36.3885



12.6657, 12.5178, 14.1798



18.2442, 9.2340, 8.5902



1.1421, 0.5736, 0.7375



# Inverse Universe

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



47.3174, 40.8190, 49.6414



68.1503, 56.0568, 69.5484



48.7092, 58.3364, 70.9807



12.6657, 12.5178, 14.1798



18.2442, 9.2340, 8.5902



1.1421, 0.5736, 0.7375



# Previews

## White Background



This preview shows how the XYZ color 47.3162, 40.8171, 49.6406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

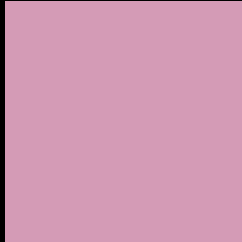
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3162, 40.8171, 49.6406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

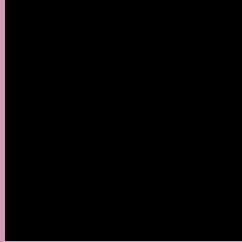
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.3162, 40.8171, 49.6406**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.3162, 40.8171, 49.6406.



This preview shows how white text looks on a background with the XYZ color 47.3162, 40.8171,



# 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

47.3162, 40.8171, 49.6406

### Protanopia

40.1409, 40.9461, 55.0779

### Deuteranopia

41.6416, 40.7581, 48.8524



## Tritanopia

45.7967, 40.6802, 42.9744

# Trichromacy



## Original Color

47.3162, 40.8171, 49.6406

## Protanomaly

42.5398, 40.8554, 53.2207

## Deuteranomaly

43.5090, 40.6462, 49.2684

## Tritanomaly

46.3924, 40.6818, 45.4516

# Monochromacy



## Original Color

47.3162, 40.8171, 49.6406

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

42.7776, 41.9110, 47.9545

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3162, 40.8171, 49.6406 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(212, 155, 182)` looks like.

```
.text, #text, p{  
    color:rgb(212, 155, 182)  
}
```

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(212, 155, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 155, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3162, 40.8171, 49.6406 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(212, 155, 182) }
```



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

```
.border{ border-color:rgb(212, 155, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 155, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 155, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 155, 182);  
box-shadow:4px 4px 4px 4px rgb(212, 155,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3162, 40.8171, 49.6406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 155, 182) }
```

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

```
.background{ background-color: rgb(212,  
155, 182) }
```

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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