

# Converting Colors

XYZ(48.2406, 39.0773, 63.8954)

Have a look what the booklet for  
XYZ(48.2406, 39.0773, 63.8954)  
contains.

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# Color

**XYZ(48.2745, 39.0741,  
64.0292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D293CF
RGB	210, 147, 207
RGB Percent	82%, 58%, 81%
CMY	0.1765, 0.4235, 0.1882
CMYK	0.00, 0.30, 0.01, 0.18
HSL	303°, 41%, 70%
HSV	303°, 30%, 82%
XYZ	48.2745, 39.0741, 64.0292
YIQ	172.6770, 18.2880, 32.0160

# Conversions

## Conversions Part 2

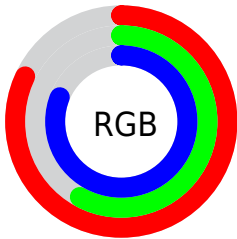
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 147, 207
Decimal	13800399
CIE Lab	68.80, 33.39, -21.34
CIE LCh	69, 39.630, 327.413
Yxy	39.0741, 0.3189, 0.2581
Android (android.graphics.Color)	4291990479 (0xFFD293CF)
YUV	172.6770, 16.9212, 32.7323
Hunter-Lab	62.5093, 28.4603, -16.9751

# Details

The XYZ color **48.2745, 39.0741, 64.0292** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.5858, 54.4994, 37.2367**, and the grayscale version is **39.4673, 41.5227, 45.2182**.

A 20% lighter version of the original color is **80.4105, 70.7211, 104.0202**, and **23.3595, 17.4529, 32.2746** is the 20% darker color. If you saturate the color by 10%, you get **45.1808, 33.0810, 62.3970**, and if you desaturate by 10%, it is **51.9675, 46.2631, 65.8658**.

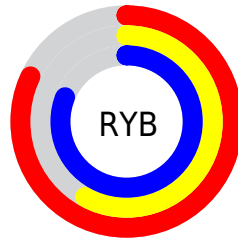
# Distribution



Red (82%)

Green (58%)

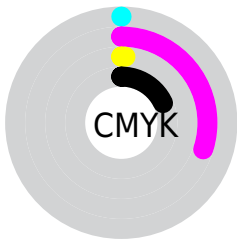
Blue (81%)



Red (82%)

Yellow (58%)

Blue (81%)

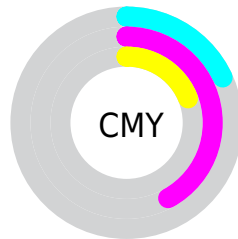


Cyan (0%)

Magenta (30%)

Yellow (1%)

Black (18%)



Cyan (18%)

Magenta (42%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2745, 39.0741, 64.0292 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 48.2745, 39.0741, 64.0292 by changing the saturation by 10% instead.





 48.2745, 39.0741,  
64.0292

 48.2745, 39.0741,  
64.0292


370.4437,  
342.2054, 457.5054

 34.2565, 26.8174,  
46.2280


 86.8202, 73.7515,  
112.2529

 23.2545, 17.4361,  
32.0758


 112.0786, 96.9410,  
143.5124

 14.9033, 10.5459,  
21.1541


141.8144,  
124.5435, 180.0951

 8.8374, 5.7624,  
13.0444

176.3932,  
156.9434, 222.4196

 4.6915, 2.7011,  
7.3280

216.1801,  
194.5252, 270.9043

 2.1003, 0.9778,  
3.5865

261.5406,

 0.6894, 0.0000,

237.6732, 325.9678

1.4014

312.8400,  
286.7718, 388.0287

■ 0.0000, 0.0000,  
0.1428

■ 0.0000, 0.0000,  
0.0000

■ 48.2745, 39.0741,  
64.0292

■ 48.2745, 39.0741,  
64.0292

■ 45.1808, 33.0810,  
62.3970

■ 51.9675, 46.2631,  
65.8658

■ 42.6502, 28.2137,  
60.9559

■ 56.2861, 54.7027,  
67.9144

■ 40.6485, 24.4028,  
59.6949

■ 61.2596, 64.4508,  
70.1851

■ 39.1359, 21.5691,  
58.6007

■ 66.9141, 75.5599,  
72.6867

38.0675, 19.6223,  
57.6584

73.2746, 88.0796,  
75.4274

37.3895, 18.4553,  
56.8500

74.3491, 90.0260,  
76.4100

37.0040, 17.8720,  
56.1429

74.4765, 90.0769,  
77.0807

37.0039, 17.8719,  
56.1428

74.6046, 90.1282,  
77.7556

74.7336, 90.1798,  
78.4346

# Harmonies

## Analogous

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



42.9823, 39.0741, 81.2365



48.2745, 39.0741, 64.0292



50.5599, 39.0741, 44.1259

# Triad

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



48.2745, 39.0741, 64.0292



37.6867, 39.0741, 16.4988



27.4147, 39.0741, 60.5423

# Complementary

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



48.2745, 39.0741, 64.0292



40.5858, 54.4994, 37.2367

# 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.



26.3315, 39.0741, 41.0024



48.2745, 39.0741, 64.0292



31.8504, 39.0741, 18.6316

# Square

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



48.2745, 39.0741, 64.0292



44.0318, 39.0741, 19.5467



27.8625, 39.0741, 26.5006



31.0055, 39.0741, 78.8566



# Rectangle

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



48.2745, 39.0741, 64.0292



49.8980, 39.0741, 33.0096



27.8625, 39.0741, 26.5006



26.7642, 39.0741, 53.7599

# Sweetspot

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



48.2757, 39.0758, 64.0300



87.9852, 86.1512, 105.6794



34.4811, 31.9216, 65.3176



18.6051, 17.9950, 22.5141



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.



48.2757, 39.0758, 64.0300



71.7267, 54.4671, 97.6925



44.8896, 37.7214, 46.1988



12.2855, 11.9989, 14.7791



22.5825, 10.9058, 34.3033



1.2703, 0.6129, 1.9584



# Inverse Universe

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



48.2757, 39.0758, 64.0300



71.7267, 54.4671, 97.6925



43.3802, 55.6171, 51.9515



12.2855, 11.9989, 14.7791



22.5825, 10.9058, 34.3033

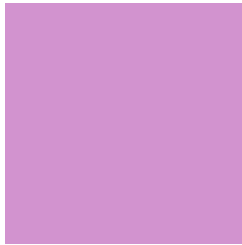


1.2703, 0.6129, 1.9584



# Previews

## White Background



This preview shows how the XYZ color 48.2745, 39.0741, 64.0292 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

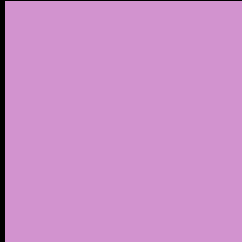
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.2745, 39.0741, 64.0292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

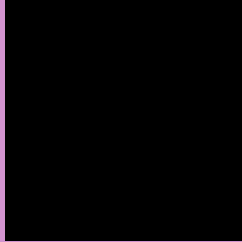
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.2745, 39.0741, 64.0292**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.2745, 39.0741, 64.0292.



This preview shows how white text looks on a background with the XYZ color 48.2745, 39.0741,



# 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

48.2745, 39.0741, 64.0292

### Protanopia

39.8242, 39.2652, 73.8866

### Deuteranopia

40.2906, 39.4854, 62.6246



## Tritanopia

43.8732, 39.2118, 41.8155

# Trichromacy



## Original Color

48.2745, 39.0741, 64.0292

## Protanomaly

42.2484, 38.7528, 70.2191

## Deuteranomaly

42.7747, 38.9288, 63.0171

## Tritanomaly

45.4039, 39.0993, 49.4098

# Monochromacy



## Original Color

48.2745, 39.0741, 64.0292

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

42.2821, 40.4928, 51.4863

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.2745, 39.0741, 64.0292 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(210, 147, 207)` looks like.

```
.text, #text, p{  
    color:rgb(210, 147, 207)  
}
```

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(210, 147, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 147, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 48.2745, 39.0741, 64.0292 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(210, 147, 207) }
```



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

```
.border{ border-color:rgb(210, 147, 207) }
```

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

Here you see how a box with a 4 pixel rgb(210, 147, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 147, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 147, 207);  
box-shadow:4px 4px 4px 4px rgb(210, 147,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.2745, 39.0741, 64.0292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 147, 207) }
```

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

```
.background{ background-color: rgb(210,  
147, 207) }
```

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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