

# Converting Colors

XYZ(48.0083, 33.8376, 73.9375)

Have a look what the booklet for  
XYZ(48.0083, 33.8376, 73.9375)  
contains.

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# Color

**XYZ(47.9675, 33.8892,  
73.8251)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D57CDF
RGB	213, 124, 223
RGB Percent	84%, 49%, 87%
CMY	0.1647, 0.5137, 0.1255
CMYK	0.04, 0.44, 0.00, 0.13
HSL	294°, 61%, 68%
HSV	294°, 44%, 87%
XYZ	47.9675, 33.8892, 73.8251
YIQ	161.8970, 21.2650, 49.6570

# Conversions

## Conversions Part 2

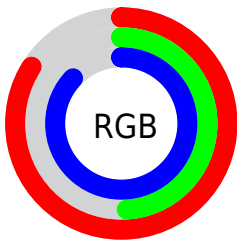
Format	Color
R <sub>YB</sub>	213, 124, 223
Decimal	13991135
CIE <sub>Lab</sub>	64.87, 49.49, -36.26
CIE <sub>LCh</sub>	65, 61.350, 323.765
Yxy	33.8892, 0.3081, 0.2177
Android (android.graphics.Color)	4292181215 (0xFFD57CDF)
YUV	161.8970, 30.1238, 44.8173
Hunter-Lab	58.2144, 45.2051, -34.4390

# Details

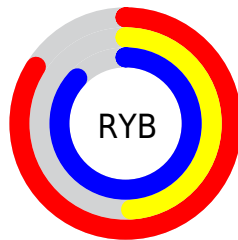
The XYZ color **47.9675, 33.8892, 73.8251** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.8584, 59.2997, 28.4157**, and the grayscale version is **34.1522, 35.9308, 39.1286**.

A 20% lighter version of the original color is **75.4101, 60.7202, 102.3534**, and **22.9386, 14.3644, 38.1228** is the 20% darker color. If you saturate the color by 10%, you get **44.8339, 28.5845, 72.9668**, and if you desaturate by 10%, it is **51.7443, 40.4653, 74.8958**.

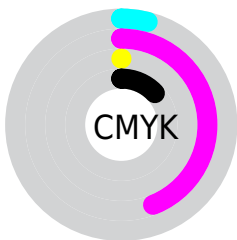
# Distribution



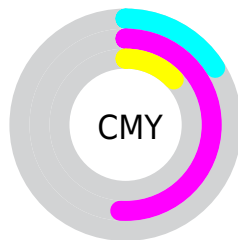
- Red (84%)
- Green (49%)
- Blue (87%)



- Red (84%)
- Yellow (49%)
- Blue (87%)



- Cyan (4%)
- Magenta (44%)
- Yellow (0%)
- Black (13%)



- Cyan (16%)
- Magenta (51%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9675, 33.8892, 73.8251 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 47.9675, 33.8892, 73.8251 by changing the saturation by 10% instead.



47.9675, 33.8892,  
73.8251

47.9675, 33.8892,  
73.8251

369.2480,  
319.6377, 493.0168

34.0123, 22.8085,  
54.1550

86.3660, 65.7613,  
126.3796

23.0660, 14.4522,  
38.3316

111.5400, 87.3215,  
160.1011

14.7632, 8.4358,  
25.9363

141.1843,  
113.1437, 199.3434

8.7386, 4.3751,  
16.5507

175.6643,  
143.6122, 244.5251

4.6268, 1.8855,  
9.7561

215.3453,  
179.1115, 296.0647

2.0625, 0.5396,  
5.1341

260.5927,

0.6687, 0.0000,

220.0259, 354.3809

2.2660

311.7718,  
266.7398, 419.8920

■ 0.0000, 0.0000,  
0.7121

■ 0.0000, 0.0000,  
0.0000

■ 47.9675, 33.8892,  
73.8251

■ 47.9675, 33.8892,  
73.8251

■ 44.8339, 28.5845,  
72.9668

■ 51.7443, 40.4653,  
74.8958

■ 42.2969, 24.4603,  
72.3045


■ 56.2000, 48.3864,  
76.1899


■ 40.3091, 21.4212,  
71.8227


■ 61.3718, 57.7261,  
77.7201


■ 38.8143, 19.3546,  
71.5026

■ 67.2929, 68.5510,  
79.4974


 37.7437, 18.1233,  
71.3213


 73.9949, 80.9237,  
81.5324

 37.2662, 17.6728,  
71.2595

 80.6055, 93.1001,  
83.5342

 81.3187, 93.4677,  
83.5676

 82.0411, 93.8402,  
83.6014

 82.7730, 94.2174,  
83.6357

# Harmonies

## Analogous

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



39.5617, 33.8892, 101.8329



47.9675, 33.8892, 73.8251



52.2467, 33.8892, 42.4457

# Triad

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



47.9675, 33.8892, 73.8251



34.0931, 33.8892, 6.5717



19.0187, 33.8892, 60.2132

# Complementary

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



47.9675, 33.8892, 73.8251



39.8584, 59.2997, 28.4157

# 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.



18.0900, 33.8892, 31.8589



47.9675, 33.8892, 73.8251



25.8318, 33.8892, 7.8644

# Square

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



47.9675, 33.8892, 73.8251



43.3450, 33.8892, 9.9066



20.3484, 33.8892, 14.9484



23.1677, 33.8892, 91.7766



# Rectangle

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



47.9675, 33.8892, 73.8251



51.7130, 33.8892, 26.4813



20.3484, 33.8892, 14.9484



18.3553, 33.8892, 49.7444

# Sweetspot

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



47.9687, 33.8907, 73.8258



84.1503, 80.0134, 105.6167



30.3738, 27.0963, 73.4417



17.6533, 16.4748, 22.4995



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.



47.9687, 33.8907, 73.8258



61.1434, 39.3792, 98.9861



46.4024, 33.6096, 49.9695



14.1515, 13.8616, 17.3174



21.9671, 10.4198, 41.9018



1.5626, 0.7428, 2.9063



# Inverse Universe

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



41.9433, 31.8260, 26.4882



52.2068, 36.3642, 26.6396



41.2182, 59.6681, 43.5054



13.7632, 13.7229, 14.5232



18.0005, 9.2672, 1.4026



1.2671, 0.6501, 0.1992



# Previews

## White Background



This preview shows how the XYZ color 47.9675, 33.8892, 73.8251 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

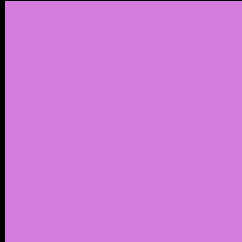
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.9675, 33.8892, 73.8251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

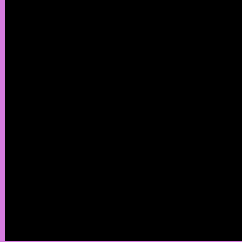
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.9675, 33.8892, 73.8251**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.9675, 33.8892, 73.8251.



This preview shows how white text looks on a background with the XYZ color 47.9675, 33.8892,



# 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

47.9675, 33.8892, 73.8251

### Protanopia

36.8330, 34.4310, 93.5115

### Deuteranopia

35.0603, 34.2757, 70.4136



## Tritanopia

39.5926, 33.6870, 33.6936

# Trichromacy



## Original Color

47.9675, 33.8892, 73.8251



## Protanomaly

39.2635, 33.2464, 86.0091



## Deuteranomaly

38.4853, 33.1680, 71.3915



## Tritanomaly

42.1930, 33.4899, 45.8354

# Monochromacy



## Original Color

47.9675, 33.8892, 73.8251



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

38.2977, 34.4643, 49.9812

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.9675, 33.8892, 73.8251 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(213, 124, 223)` looks like.

```
.text, #text, p{  
    color:rgb(213, 124, 223)  
}
```

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(213, 124, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 124, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 47.9675, 33.8892, 73.8251 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(213, 124, 223) }
```



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

```
.border{ border-color:rgb(213, 124, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 124, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 124, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 124, 223);  
box-shadow:4px 4px 4px 4px rgb(213, 124,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.9675, 33.8892, 73.8251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 124, 223) }
```

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

```
.background{ background-color: rgb(213,  
124, 223) }
```

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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