

# Converting Colors

XYZ(47.4524, 38.4467, 72.3465)

Have a look what the booklet for  
XYZ(47.4524, 38.4467, 72.3465)  
contains.

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# Color

**XYZ(47.4394, 38.4523,  
72.6318)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C993DC
RGB	201, 147, 220
RGB Percent	79%, 58%, 86%
CMY	0.2118, 0.4235, 0.1373
CMYK	0.09, 0.33, 0.00, 0.14
HSL	284°, 51%, 72%
HSV	284°, 33%, 86%
XYZ	47.4394, 38.4523, 72.6318
YIQ	171.4680, 8.7510, 34.1510

# Conversions

## Conversions Part 2

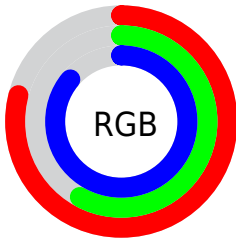
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 147, 220
Decimal	13210588
CIE Lab	68.35, 33.03, -29.32
CIE LCh	68, 44.161, 318.407
Yxy	38.4523, 0.2993, 0.2426
Android (android.graphics.Color)	4291400668 (0xFFC993DC)
YUV	171.4680, 23.9263, 25.8996
Hunter-Lab	62.0099, 28.0404, -26.0390

# Details

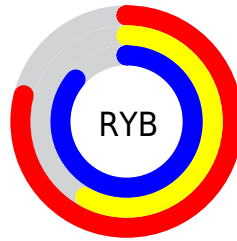
The XYZ color **47.4394, 38.4523, 72.6318** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.5868, 61.4009, 37.0018**, and the grayscale version is **38.8254, 40.8474, 44.4828**.

A 20% lighter version of the original color is **80.4105, 70.7211, 104.0202**, and **22.7378, 17.0120, 37.6825** is the 20% darker color. If you saturate the color by 10%, you get **42.8296, 31.4746, 71.5285**, and if you desaturate by 10%, it is **52.7633, 46.7712, 73.9575**.

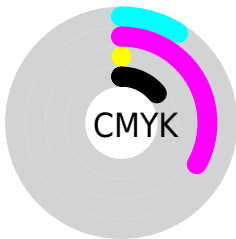
# Distribution



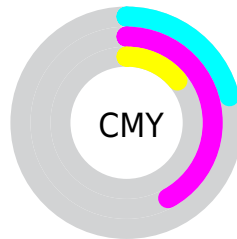
- Red (79%)
- Green (58%)
- Blue (86%)



- Red (79%)
- Yellow (58%)
- Blue (86%)



- Cyan (9%)
- Magenta (33%)
- Yellow (0%)
- Black (14%)




- Cyan (21%)
- Magenta (42%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4394, 38.4523, 72.6318 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 47.4394, 38.4523, 72.6318 by changing the saturation by 10% instead.





 47.4394, 38.4523,  
72.6318


 47.4394, 38.4523,  
72.6318


367.1854,  
339.5563, 488.7742

 33.5926, 26.3339,  
53.1850

 85.5839, 72.8009,  
124.6704

 22.7422, 17.0736,  
37.5617


 110.6123, 95.7998,  
158.0993

 14.5229, 10.2870,  
25.3435


140.0985,  
123.1945, 197.0259

 8.5694, 5.5897,  
16.1118

174.4080,  
155.3692, 241.8688

 4.5162, 2.5972,  
9.4481

213.9061,  
192.7083, 293.0466

 1.9981, 0.9253,  
4.9338

258.9581,

 0.6329, 0.0000,

235.5962, 350.9777

2.1504

309.9294,  
284.4174, 416.0807

■ 0.0000, 0.0000,  
0.6455

■ 0.0000, 0.0000,  
0.0000

■ 47.4394, 38.4523,  
72.6318

■ 47.4394, 38.4523,  
72.6318

■ 42.8296, 31.4746,  
71.5285

■ 52.7633, 46.7712,  
73.9575

■ 38.8920, 25.7580,  
70.6326

■ 58.8326, 56.4956,  
75.5146

■ 35.5861, 21.2214,  
69.9312

■ 65.6811, 67.6914,  
77.3147

■ 32.8651, 17.7722,  
69.4089

■ 73.3394, 80.4190,  
79.3677

■ 30.6750, 15.3035,  
69.0478

■ 81.1935, 93.4495,  
81.4689

■ 28.9508, 13.6861,  
68.8265

■ 83.0576, 94.4105,  
81.5561

■ 27.9696, 12.9265,  
68.7316

■ 84.9827, 95.4029,  
81.6462

■ 86.9692, 96.4270,  
81.7392

■ 89.0177, 97.4830,  
81.8351

# Harmonies

## Analogous

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



40.9162, 38.4523, 89.4826



47.4394, 38.4523, 72.6318



51.2068, 38.4523, 50.0092

# Triad

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



47.4394, 38.4523, 72.6318



39.2897, 38.4523, 14.5183



25.3124, 38.4523, 55.1028

# Complementary

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



47.4394, 38.4523, 72.6318



46.5868, 61.4009, 37.0018

# 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.



24.9930, 38.4523, 34.6621



47.4394, 38.4523, 72.6318



32.5018, 38.4523, 15.1052

# Square

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



47.4394, 38.4523, 72.6318



46.1199, 38.4523, 19.3317



27.4655, 38.4523, 21.3107



28.4012, 38.4523, 77.3592



# Rectangle

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



47.4394, 38.4523, 72.6318



51.3679, 38.4523, 36.5356



27.4655, 38.4523, 21.3107



24.8934, 38.4523, 47.6956

# Sweetspot

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



47.4407, 38.4539, 72.6326



85.0481, 83.5586, 106.2536



38.6736, 38.8145, 73.1643



17.9224, 17.4272, 22.6691



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.



47.4407, 38.4539, 72.6326



61.5798, 46.5705, 100.3511



50.7256, 40.3949, 61.6036



13.2664, 13.0955, 16.4806



16.5242, 7.6427, 40.3427



1.1493, 0.5358, 2.6173



# Inverse Universe

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



46.8331, 38.8379, 41.1061



60.8234, 47.3194, 48.8667



44.3310, 60.0719, 44.3980



13.1945, 13.1069, 14.2853



17.7984, 9.1204, 3.3182

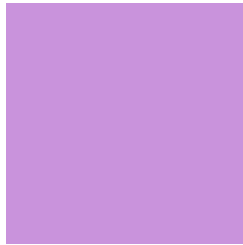


1.1882, 0.6049, 0.4002



# Previews

## White Background



This preview shows how the XYZ color 47.4394, 38.4523, 72.6318 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

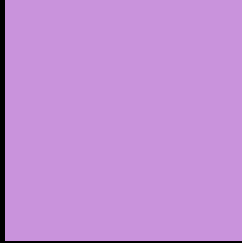
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.4394, 38.4523, 72.6318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

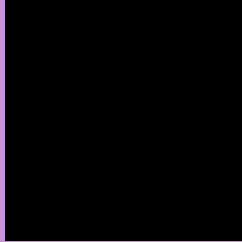
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.4394, 38.4523, 72.6318**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.4394, 38.4523, 72.6318.



This preview shows how white text looks on a background with the XYZ color 47.4394, 38.4523,



# 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

47.4394, 38.4523, 72.6318

### Protanopia

40.0172, 38.9045, 82.4910

### Deuteranopia

39.5101, 38.6286, 71.0193



## Tritanopia

41.2107, 38.3160, 42.7598

# Trichromacy



## Original Color

47.4394, 38.4523, 72.6318

## Protanomaly

41.9563, 38.1621, 78.5535

## Deuteranomaly

41.8950, 38.2863, 71.5116

## Tritanomaly

43.2333, 38.1491, 52.6618

# Monochromacy



## Original Color

47.4394, 38.4523, 72.6318

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

41.3970, 39.4599, 53.5788

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.4394, 38.4523, 72.6318 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(201, 147, 220)` looks like.

```
.text, #text, p{  
    color:rgb(201, 147, 220)  
}
```

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(201, 147, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 147, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 47.4394, 38.4523, 72.6318 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(201, 147, 220) }
```



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

```
.border{ border-color:rgb(201, 147, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 147, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 147, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 147, 220);  
box-shadow:4px 4px 4px 4px rgb(201, 147,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.4394, 38.4523, 72.6318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 147, 220) }
```

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

```
.background{ background-color: rgb(201,  
147, 220) }
```

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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