

# Converting Colors

XYZ(52.4301, 39.0097, 71.3271)

Have a look what the booklet for  
XYZ(52.4301, 39.0097, 71.3271)  
contains.

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# Color

**XYZ(52.4838, 39.0862,  
71.1079)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E08ADA
RGB	224, 138, 218
RGB Percent	88%, 54%, 85%
CMY	0.1216, 0.4588, 0.1451
CMYK	0.00, 0.38, 0.03, 0.12
HSL	304°, 58%, 71%
HSV	304°, 38%, 88%
XYZ	52.4838, 39.0862, 71.1079
YIQ	172.8340, 25.5760, 43.1120

# Conversions

## Conversions Part 2

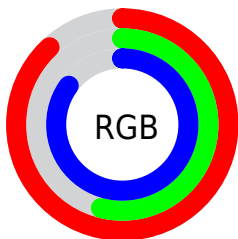
Format	Color
<a href="#">RYB</a>	<a href="#">224, 138, 218</a>
Decimal	<a href="#">14715610</a>
CIELab	<a href="#">68.81, 44.63, -27.29</a>
CIELCh	<a href="#">69, 52.309, 328.554</a>
Yxy	<a href="#">39.0862, 0.3226, 0.2403</a>
Android (android.graphics.Color)	<a href="#">4292905690 (0xFFE08ADA)</a>
YUV	<a href="#">172.8340, 22.2668, 44.8726</a>
Hunter-Lab	<a href="#">62.5190, 40.4401, -23.6721</a>

# Details

The XYZ color **52.4838, 39.0862, 71.1079** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **42.1725, 60.7294, 35.8870**, and the grayscale version is **39.5182, 41.5762, 45.2765**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **25.7957, 17.3568, 36.6410** is the 20% darker color. If you saturate the color by 10%, you get **49.3922, 33.2280, 69.0734**, and if you desaturate by 10%, it is **56.2426, 46.2741, 73.3751**.

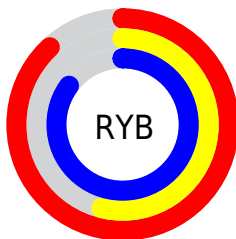
# Distribution



Red (88%)

Green (54%)

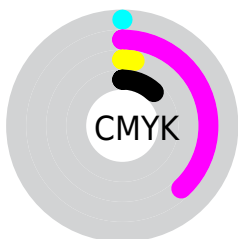
Blue (85%)



Red (88%)

Yellow (54%)

Blue (85%)

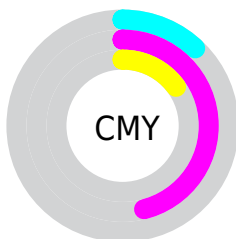


Cyan (0%)

Magenta (38%)

Yellow (3%)

Black (12%)



Cyan (12%)

Magenta (46%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4838, 39.0862, 71.1079 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 52.4838, 39.0862, 71.1079 by changing the saturation by 10% instead.




 52.4838, 39.0862,  
71.1079


 52.4838, 39.0862,  
71.1079


386.5949,  
342.2568, 483.3244


 37.6167, 26.8268,  
51.9479


 93.0144, 73.7700,  
122.4832

 25.8612, 17.4432,  
36.5816


 119.4085, 96.9632,  
155.5356

 16.8519, 10.5510,  
24.5904


 150.3757,  
124.5697, 194.0559

 10.2236, 5.7658,  
15.5560

186.2813,  
156.9740, 238.4626

 5.6109, 2.7032,  
9.0596

227.4907,  
194.5605, 289.1743

 2.6483, 0.9788,  
4.6827

274.3691,

 0.9707, 0.0000,

237.7135, 346.6094

2.0069

327.2821,  
286.8175, 411.1866

■ 0.0000, 0.0000,  
0.5595

■ 0.0000, 0.0000,  
0.0000

■ 52.4838, 39.0862,  
71.1079

■ 52.4838, 39.0862,  
71.1079

■ 49.3922, 33.2280,  
69.0734

■ 56.2426, 46.2741,  
73.3751

■ 46.9229, 28.6121,  
67.2553


■ 60.7023, 54.8615,  
75.8852


■ 45.0316, 25.1491,  
65.6395


■ 65.8988, 64.9195,  
78.6504


■ 43.6664, 22.7355,  
64.2084


■ 71.8647, 76.5131,  
81.6816


 42.7664, 21.2489,  
62.9418


 78.6304, 89.7032,  
84.9891


 42.2420, 20.5105,  
61.8098

 80.4183, 92.9345,  
86.6469

 42.1718, 20.4199,  
61.6332

 80.6355, 93.0214,  
87.7909

 80.8547, 93.1090,  
88.9452

 81.0759, 93.1975,  
90.1099

# Harmonies

## Analogous

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



45.3061, 39.0862, 96.5998



52.4838, 39.0862, 71.1079



55.4816, 39.0862, 43.7210

# Triad

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



52.4838, 39.0862, 71.1079



37.5541, 39.0862, 11.2821



24.8295, 39.0862, 68.3343

# Complementary

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



52.4838, 39.0862, 71.1079



42.1725, 60.7294, 35.8870

# 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.



23.3798, 39.0862, 41.4162



52.4838, 39.0862, 71.1079



30.0371, 39.0862, 13.7265

# Square

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



52.4838, 39.0862, 71.1079



46.1063, 39.0862, 14.2756



25.1384, 39.0862, 22.9016



29.4363, 39.0862, 94.6232



# Rectangle

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



52.4838, 39.0862, 71.1079



54.4122, 39.0862, 29.6169



25.1384, 39.0862, 22.9016



23.9900, 39.0862, 58.8080

# Sweetspot

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



52.4851, 39.0879, 71.1087



85.7114, 81.8698, 104.1007



33.9999, 29.4661, 74.4174



18.1476, 17.1399, 22.1767



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.



52.4851, 39.0879, 71.1087



67.0455, 46.0550, 93.2023



47.5945, 37.1317, 45.3553



14.2516, 13.9183, 17.0950



24.5645, 11.8928, 35.9683



1.7152, 0.8294, 2.5593



# Inverse Universe

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



52.4851, 39.0879, 71.1087



67.0455, 46.0550, 93.2023



46.0795, 62.2922, 56.4608



14.2516, 13.9183, 17.0950



24.5645, 11.8928, 35.9683

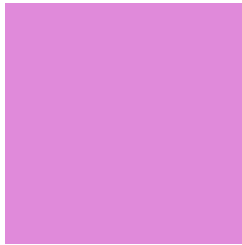


1.7152, 0.8294, 2.5593



# Previews

## White Background



This preview shows how the XYZ color 52.4838, 39.0862, 71.1079 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

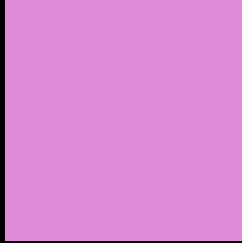
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4838, 39.0862, 71.1079 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

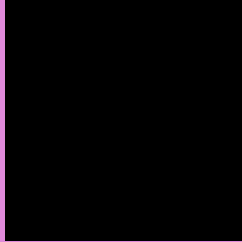
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.4838, 39.0862, 71.1079**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4838, 39.0862, 71.1079.



This preview shows how white text looks on a background with the XYZ color 52.4838, 39.0862,



# 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

52.4838, 39.0862, 71.1079

### Protanopia

40.8933, 39.5242, 87.1350

### Deuteranopia

40.1633, 39.2914, 68.4180



## Tritanopia

45.9546, 39.1376, 38.8505

# Trichromacy



## Original Color

52.4838, 39.0862, 71.1079



## Protanomaly

43.7678, 38.5451, 80.7344



## Deuteranomaly

43.7543, 38.5393, 69.4227



## Tritanomaly

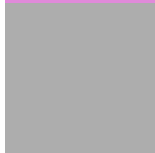
48.2376, 39.1508, 49.2704

# Monochromacy



## Original Color

52.4838, 39.0862, 71.1079



## Achromatopsia

39.7200, 41.7885, 45.5077



## Achromatomaly

43.4943, 40.0222, 53.5768

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4838, 39.0862, 71.1079 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(224, 138, 218)` looks like.

```
.text, #text, p{  
    color:rgb(224, 138, 218)  
}
```

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(224, 138, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 138, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4838, 39.0862, 71.1079 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(224, 138, 218) }
```



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

```
.border{ border-color:rgb(224, 138, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 138, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 138, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 138, 218);  
box-shadow:4px 4px 4px 4px rgb(224, 138,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4838, 39.0862, 71.1079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 138, 218) }
```

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

```
.background{ background-color: rgb(224,  
138, 218) }
```

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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