

# Converting Colors

XYZ(51.1023, 38.3476, 71.7602)

Have a look what the booklet for  
XYZ(51.1023, 38.3476, 71.7602)  
contains.

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# Color

**XYZ(51.0881, 38.3515,  
71.7278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB8ADB
RGB	219, 138, 219
RGB Percent	86%, 54%, 86%
CMY	0.1412, 0.4588, 0.1412
CMYK	0.00, 0.37, 0.00, 0.14
HSL	300°, 53%, 70%
HSV	300°, 37%, 86%
XYZ	51.0881, 38.3515, 71.7278
YIQ	171.4530, 22.2750, 42.3630

# Conversions

## Conversions Part 2

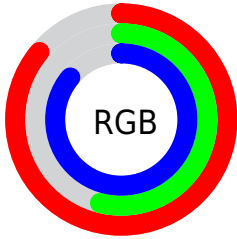
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 138, 219
Decimal	14387931
CIE <sub>Lab</sub>	68.28, 43.26, -28.71
CIE <sub>LCh</sub>	68, 51.925, 326.427
Yxy	38.3515, 0.3170, 0.2380
Android (android.graphics.Color)	4292578011 (0xFFDB8ADB)
YUV	171.4530, 23.4407, 41.6987
Hunter-Lab	61.9286, 38.8789, -25.3217

# Details

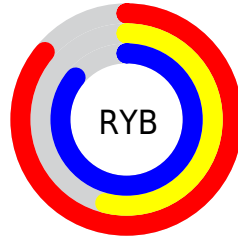
The XYZ color **51.0881, 38.3515, 71.7278** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **40.4018, 57.9027, 33.0938**, and the grayscale version is **38.8154, 40.8369, 44.4714**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **25.1329, 17.1224, 37.1023** is the 20% darker color. If you saturate the color by 10%, you get **48.2576, 32.6898, 70.7846**, and if you desaturate by 10%, it is **54.5545, 45.2835, 72.8838**.

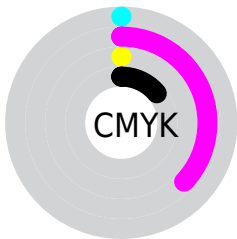
# Distribution



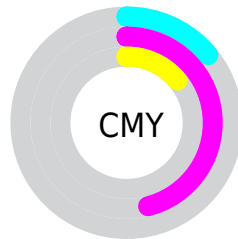
- Red (86%)
- Green (54%)
- Blue (86%)



- Red (86%)
- Yellow (54%)
- Blue (86%)



- Cyan (0%)
- Magenta (37%)
- Yellow (0%)
- Black (14%)




- Cyan (14%)
- Magenta (46%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0881, 38.3515, 71.7278 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 51.0881, 38.3515, 71.7278 by changing the saturation by 10% instead.




 51.0881, 38.3515,  
71.7278


 51.0881, 38.3515,  
71.7278


381.2880,  
339.1254, 485.5457


 36.5001, 26.2556,  
52.4509

 90.9672, 72.6466,  
123.3736

 24.9925, 17.0150,  
36.9799


 116.9890, 95.6146,  
156.5795

 16.2002, 10.2452,  
24.8962


 147.5527,  
122.9753, 195.2655

 9.7577, 5.5618,  
15.7814

183.0237,  
155.1134, 239.8501

 5.2996, 2.5805,  
9.2170

223.7674,  
192.4130, 290.7519

 2.4607, 0.9169,  
4.7842

270.1491,

 0.8755, 0.0000,

235.2586, 348.3894

2.0647

322.5342,  
284.0346, 413.1811

■ 0.0000, 0.0000,  
0.5946

■ 0.0000, 0.0000,  
0.0000

■ 51.0881, 38.3515,  
71.7278

■ 51.0881, 38.3515,  
71.7278

■ 48.2576, 32.6898,  
70.7846

■ 54.5545, 45.2835,  
72.8838

■ 46.0210, 28.2167,  
70.0389

■ 58.6883, 53.5510,  
74.2618

■ 44.3372, 24.8490,  
69.4775

■ 63.5231, 63.2207,  
75.8736

■ 43.1580, 22.4907,  
69.0844

■ 69.0895, 74.3533,  
77.7291

42.4274, 21.0294,  
68.8407

75.4159, 87.0061,  
79.8381

42.0717, 20.3181,  
68.7220

77.7603, 91.6949,  
80.6197

42.0000, 20.1748,  
68.6981

77.7603, 91.6949,  
80.6198

77.7604, 91.6949,  
80.6199

77.7604, 91.6949,  
80.6200

# Harmonies

## Analogous

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



43.8607, 38.3515, 96.0429



51.0881, 38.3515, 71.7278



54.3840, 38.3515, 44.6104

# Triad

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



51.0881, 38.3515, 71.7278



37.4347, 38.3515, 11.1195



24.1696, 38.3515, 65.0187

# Complementary

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



51.0881, 38.3515, 71.7278



40.4018, 57.9027, 33.0938

# 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.



22.9710, 38.3515, 39.0303



51.0881, 38.3515, 71.7278



29.9283, 38.3515, 13.1301

# Square

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



51.0881, 38.3515, 71.7278



45.7971, 38.3515, 14.4627



24.9178, 38.3515, 21.5725



28.4733, 38.3515, 91.2639



# Rectangle

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



51.0881, 38.3515, 71.7278



53.5944, 38.3515, 30.3347



24.9178, 38.3515, 21.5725



23.4206, 38.3515, 55.7405

# Sweetspot

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



51.0894, 38.3532, 71.7286



86.7454, 83.3908, 106.1316



32.3576, 28.6966, 70.8525



18.3667, 17.4484, 22.6497



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.



51.0894, 38.3532, 71.7286



69.0823, 48.0649, 100.2433



46.3896, 36.4733, 46.9799



13.6144, 13.2749, 16.4969



24.9036, 11.9625, 40.7341



1.6134, 0.7750, 2.6390



# Inverse Universe

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



51.0894, 38.3532, 71.7286



69.0823, 48.0649, 100.2433



43.9005, 59.3021, 51.5175



13.6144, 13.2749, 16.4969



24.9036, 11.9625, 40.7341

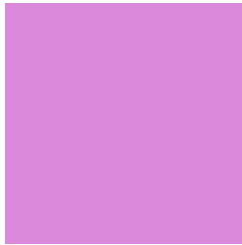


1.6134, 0.7750, 2.6390



# Previews

## White Background



This preview shows how the XYZ color 51.0881, 38.3515, 71.7278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

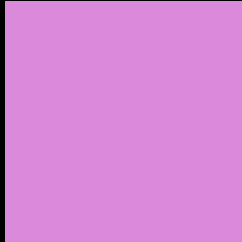
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0881, 38.3515, 71.7278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

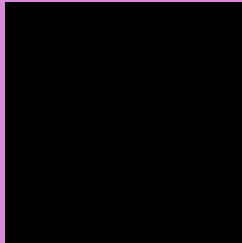
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.0881, 38.3515, 71.7278**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.0881, 38.3515, 71.7278.



This preview shows how white text looks on a background with the XYZ color 51.0881, 38.3515,

71.7278.

# 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

51.0881, 38.3515, 71.7278

### Protanopia

40.1831, 38.6226, 86.9984

### Deuteranopia

39.5136, 38.6751, 69.0008



## Tritanopia

44.2033, 38.2348, 38.7685

# Trichromacy



## Original Color

51.0881, 38.3515, 71.7278



## Protanomaly

43.0814, 37.9268, 81.3939



## Deuteranomaly

42.9384, 38.1039, 70.0574



## Tritanomaly

46.4539, 38.2313, 49.1870

# Monochromacy



## Original Color

51.0881, 38.3515, 71.7278



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

42.2143, 39.1185, 52.9026

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0881, 38.3515, 71.7278 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(219, 138, 219)` looks like.

```
.text, #text, p{  
    color:rgb(219, 138, 219)  
}
```

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(219, 138, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 138, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0881, 38.3515, 71.7278 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(219, 138, 219) }
```



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

```
.border{ border-color:rgb(219, 138, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 138, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 138, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 138, 219);  
box-shadow:4px 4px 4px 4px rgb(219, 138,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0881, 38.3515, 71.7278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 138, 219) }
```

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

```
.background{ background-color: rgb(219,  
138, 219) }
```

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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