

# Converting Colors

XYZ(50.9864, 38.0864, 72.8776)

Have a look what the booklet for  
XYZ(50.9864, 38.0864, 72.8776)  
contains.

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# Color

**XYZ(50.9102, 38.0172,  
73.0614)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA89DD
RGB	218, 137, 221
RGB Percent	85%, 54%, 87%
CMY	0.1451, 0.4627, 0.1333
CMYK	0.01, 0.38, 0.00, 0.13
HSL	298°, 55%, 70%
HSV	298°, 38%, 87%
XYZ	50.9102, 38.0172, 73.0614
YIQ	170.7950, 21.3120, 43.2960

# Conversions

## Conversions Part 2

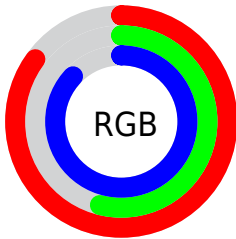
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 137, 221
Decimal	14322141
CIE <sub>Lab</sub>	68.03, 43.85, -30.21
CIE <sub>LCh</sub>	68, 53.248, 325.435
Yxy	38.0172, 0.3143, 0.2347
Android (android.graphics.Color)	4292512221 (0xFFDA89DD)
YUV	170.7950, 24.7511, 41.3988
Hunter-Lab	61.6581, 39.4832, -27.0947

# Details

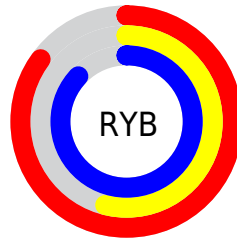
The XYZ color **50.9102, 38.0172, 73.0614** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **41.1883, 59.0954, 32.9045**, and the grayscale version is **38.4793, 40.4833, 44.0863**.

A 20% lighter version of the original color is **78.1396, 66.1793, 103.2632**, and **25.0317, 16.9316, 38.0252** is the 20% darker color. If you saturate the color by 10%, you get **47.8495, 32.2445, 72.1090**, and if you desaturate by 10%, it is **54.6179, 45.0805, 74.2299**.

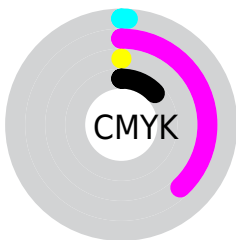
# Distribution



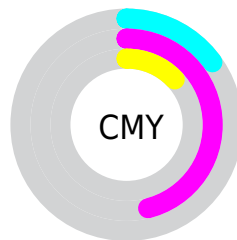
- Red (85%)
- Green (54%)
- Blue (87%)



- Red (85%)
- Yellow (54%)
- Blue (87%)



- Cyan (1%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)




- Cyan (15%)
- Magenta (46%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9102, 38.0172, 73.0614 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 50.9102, 38.0172, 73.0614 by changing the saturation by 10% instead.





 50.9102, 38.0172,  
73.0614


 50.9102, 38.0172,  
73.0614


380.6082,  
337.6937, 490.3041


 36.3579, 25.9960,  
53.5340

 90.7058, 72.1345,  
125.2861

 24.8821, 16.8207,  
37.8386


 116.6798, 94.9994,  
158.8205

 16.1175, 10.1067,  
25.5566


 147.1918,  
122.2477, 197.8610

 9.6987, 5.4698,  
16.2694

182.6070,  
154.2638, 242.8262

 5.2604, 2.5254,  
9.5586

223.2909,  
191.4321, 294.1345

 2.4372, 0.8893,  
5.0055

269.6089,

 0.8637, 0.0000,

234.1369, 352.2046

2.1917

321.9262,  
282.7626, 417.4549

■ 0.0000, 0.0000,  
0.6696

■ 0.0000, 0.0000,  
0.0000

■ 50.9102, 38.0172,  
73.0614

■ 50.9102, 38.0172,  
73.0614

■ 47.8495, 32.2445,  
72.1090

■ 54.6179, 45.0805,  
74.2299

■ 45.3925, 27.6784,  
71.3572

■ 59.0050, 53.5019,  
75.6242

■ 43.4966, 24.2327,  
70.7920

■ 64.1063, 63.3500,  
77.2562

■ 42.1118, 21.8078,  
70.3969

■ 69.9531, 74.6873,  
79.1363

41.1796, 20.2863,  
70.1524

76.5748, 87.5728,  
81.2745

40.6169, 19.5021,  
70.0307

79.1615, 92.3866,  
82.0673

40.5234, 19.3829,  
70.0126

79.4049, 92.5121,  
82.0787

79.6494, 92.6381,  
82.0901

79.8950, 92.7648,  
82.1016

# Harmonies

## Analogous

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



43.4199, 38.0172, 97.8030



50.9102, 38.0172, 73.0614



54.4614, 38.0172, 45.1336

# Triad

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



50.9102, 38.0172, 73.0614



37.4173, 38.0172, 10.5312



23.5688, 38.0172, 64.2533

# Complementary

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



50.9102, 38.0172, 73.0614



41.1883, 59.0954, 32.9045

# 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.



22.4628, 38.0172, 37.8674



50.9102, 38.0172, 73.0614



29.7128, 38.0172, 12.3444

# Square

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



50.9102, 38.0172, 73.0614



45.9503, 38.0172, 14.0376



24.5356, 38.0172, 20.5249



27.8262, 38.0172, 91.5004



# Rectangle

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



50.9102, 38.0172, 73.0614



53.7751, 38.0172, 30.3965



24.5356, 38.0172, 20.5249



22.8469, 38.0172, 54.7684

# Sweetspot

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



50.9115, 38.0189, 73.0622



86.3779, 83.2013, 106.1146



32.9237, 29.6495, 72.3948



18.2784, 17.4029, 22.6457



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.



50.9115, 38.0189, 73.0622



66.8112, 45.7852, 99.9238



47.3338, 36.6924, 49.4980



13.5660, 13.2499, 16.4946



23.5619, 11.2708, 40.6720



1.5411, 0.7377, 2.6356



# Inverse Universe

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



43.4994, 35.1586, 29.3063



55.1596, 41.3006, 30.6120



43.8925, 60.1195, 49.7470



13.0748, 13.0590, 13.6551



17.3561, 8.9435, 0.9893

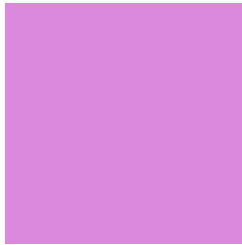


1.1312, 0.5821, 0.0998



# Previews

## White Background



This preview shows how the XYZ color 50.9102, 38.0172, 73.0614 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

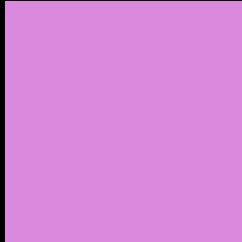
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.9102, 38.0172, 73.0614 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

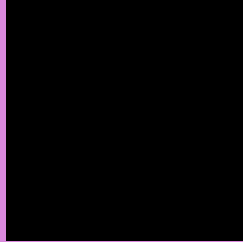
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.9102, 38.0172, 73.0614**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.9102, 38.0172, 73.0614.



This preview shows how white text looks on a background with the XYZ color 50.9102, 38.0172,



# 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

50.9102, 38.0172, 73.0614

### Protanopia

40.2870, 38.6244, 89.3363

### Deuteranopia

39.0094, 38.1208, 70.2678



## Tritanopia

43.9177, 38.0875, 38.7551

# Trichromacy



## Original Color

50.9102, 38.0172, 73.0614



## Protanomaly

42.7691, 37.4867, 82.8234



## Deuteranomaly

42.5706, 37.6381, 71.3508



## Tritanomaly

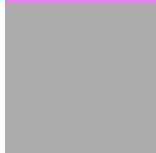
46.1132, 37.8158, 49.6685

# Monochromacy



## Original Color

50.9102, 38.0172, 73.0614



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

42.3225, 39.1618, 53.4725

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9102, 38.0172, 73.0614 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(218, 137, 221)` looks like.

```
.text, #text, p{  
    color:rgb(218, 137, 221)  
}
```

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(218, 137, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 137, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9102, 38.0172, 73.0614 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(218, 137, 221) }
```



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

```
.border{ border-color:rgb(218, 137, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 137, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 137, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 137, 221);  
box-shadow:4px 4px 4px 4px rgb(218, 137,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.9102, 38.0172, 73.0614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 137, 221) }
```

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

```
.background{ background-color: rgb(218,  
137, 221) }
```

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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