

Converting Colors

XYZ(50.8674, 38.4134, 71.2229)

Have a look what the booklet for
XYZ(50.8674, 38.4134, 71.2229)
contains.

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Color

**XYZ(50.8009, 38.4326,
71.0704)**

Conversions

Conversions Part 1

Format	Color
Hex	DA8BDA
RGB	218, 139, 218
RGB Percent	85%, 55%, 85%
CMY	0.1451, 0.4549, 0.1451
CMYK	0.00, 0.36, 0.00, 0.15
HSL	300°, 52%, 70%
HSV	300°, 36%, 85%
XYZ	50.8009, 38.4326, 71.0704
YIQ	171.6270, 21.7250, 41.3170

Conversions

Conversions Part 2

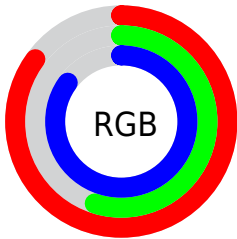
Format	Color
R _{YB}	218, 139, 218
Decimal	14322650
CIE _{Lab}	68.34, 42.24, -28.08
CIE _{LCh}	68, 50.724, 326.389
Y _{xy}	38.4326, 0.3169, 0.2397
Android (android.graphics.Color)	4292512730 (0xFFDA8BDA)
Y _{UV}	171.6270, 22.8619, 40.6691
Hunter-Lab	61.9940, 37.7820, -24.5747

Details

The XYZ color **50.8009, 38.4326, 71.0704** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **40.3806, 57.4971, 33.3979**, and the grayscale version is **38.9060, 40.9321, 44.5751**.

A 20% lighter version of the original color is **78.5818, 67.0636, 103.4106**, and **24.9193, 17.1421, 36.6457** is the 20% darker color. If you saturate the color by 10%, you get **47.9540, 32.7380, 70.1217**, and if you desaturate by 10%, it is **54.2797, 45.3893, 72.2305**.

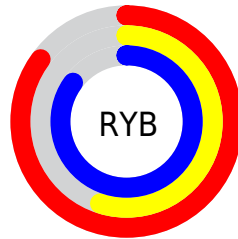
Distribution



Red (85%)

Green (55%)

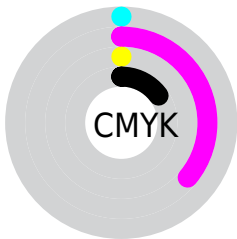
Blue (85%)



Red (85%)

Yellow (55%)

Blue (85%)

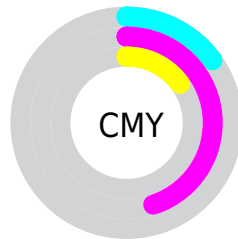


Cyan (0%)

Magenta (36%)

Yellow (0%)

Black (15%)



Cyan (15%)


Magenta (45%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8009, 38.4326, 71.0704 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 50.8009, 38.4326, 71.0704 by changing the saturation by 10% instead.


 50.8009, 38.4326,
71.0704


 50.8009, 38.4326,
71.0704


380.1902,
339.4721, 483.1898


 36.2706, 26.3186,
51.9175

 90.5451, 72.7707,
122.4294

 24.8143, 17.0621,
36.5575


 116.4898, 95.7636,
155.4724

 16.0668, 10.2788,
24.5720


 146.9699,
123.1517, 193.9827

 9.6626, 5.5842,
15.5423

182.3509,
155.3192, 238.3786

 5.2363, 2.5939,
9.0501

222.9980,
192.6506, 289.0787

 2.4228, 0.9236,
4.6766

269.2767,

 0.8565, 0.0000,

235.5303, 346.5016

2.0034

321.5523,
284.3426, 411.0658

■ 0.0000, 0.0000,
0.5574

■ 0.0000, 0.0000,
0.0000

■ 50.8009, 38.4326,
71.0704

■ 50.8009, 38.4326,
71.0704

■ 47.9540, 32.7380,
70.1217

■ 54.2797, 45.3893,
72.2305

■ 45.6975, 28.2251,
69.3695

■ 58.4210, 53.6720,
73.6110

■ 43.9912, 24.8125,
68.8007

■ 63.2582, 63.3463,
75.2235

■ 42.7880, 22.4062,
68.3995

■ 68.8211, 74.4722,
77.0779

42.0331, 20.8964,
68.1478

75.1380, 87.1059,
79.1836

41.6578, 20.1457,
68.0226

77.3289, 91.4877,
79.9140

41.5687, 19.9676,
67.9929

77.3289, 91.4877,
79.9140

77.3289, 91.4877,
79.9141

77.3290, 91.4877,
79.9142

Harmonies

Analogous

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



43.7556, 38.4326, 94.6115



50.8009, 38.4326, 71.0704



54.0136, 38.4326, 44.6658

Triad

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



50.8009, 38.4326, 71.0704



37.5006, 38.4326, 11.5909



24.4721, 38.4326, 64.4846

Complementary

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



50.8009, 38.4326, 71.0704



40.3806, 57.4971, 33.3979

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.



23.2948, 38.4326, 39.1485



50.8009, 38.4326, 71.0704



30.1455, 38.4326, 13.5989

Square

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



50.8009, 38.4326, 71.0704



45.6641, 38.4326, 14.9448



25.2169, 38.4326, 21.9847



28.7015, 38.4326, 89.9393

Rectangle

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



50.8009, 38.4326, 71.0704



53.2503, 38.4326, 30.6664



25.2169, 38.4326, 21.9847



23.7353, 38.4326, 55.4591

Sweetspot

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



50.8022, 38.4343, 71.0712



86.7454, 83.3908, 106.1317



32.5367, 29.0181, 70.2167



18.3668, 17.4484, 22.6498



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.



50.8022, 38.4343, 71.0712



69.4689, 48.8379, 100.3725



46.2337, 36.6069, 47.0139



13.6144, 13.2749, 16.4969



24.9037, 11.9625, 40.7343



1.6134, 0.7750, 2.6390

Inverse Universe

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



50.8022, 38.4343, 71.0712



69.4689, 48.8379, 100.3725



43.8065, 58.8675, 51.4385



13.6144, 13.2749, 16.4969



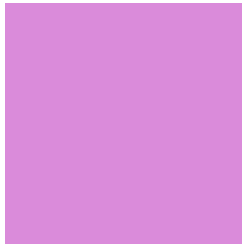
24.9037, 11.9625, 40.7343



1.6134, 0.7750, 2.6390

Previews

White Background



This preview shows how the XYZ color 50.8009, 38.4326, 71.0704 looks on a white background.

Color Contrast Check

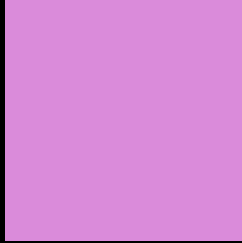
Large Text (above 18pt) WCAG AA × Fail

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 50.8009, 38.4326, 71.0704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

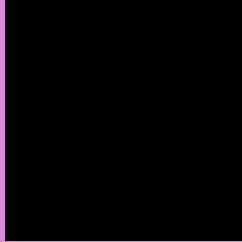
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8009, 38.4326, 71.0704

Background



This preview shows how black text looks on a background with the XYZ color 50.8009, 38.4326, 71.0704.



This preview shows how white text looks on a background with the XYZ color 50.8009, 38.4326,

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

50.8009, 38.4326, 71.0704

Protanopia

40.2428, 38.9540, 85.5186

Deuteranopia

39.5838, 38.7259, 68.3394



Tritanopia

44.4522, 38.5907, 39.2883

Trichromacy



Original Color

50.8009, 38.4326, 71.0704



Protanomaly

42.9660, 38.1480, 79.9617



Deuteranomaly

42.8095, 38.0523, 69.3785



Tritanomaly

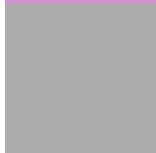
46.6088, 38.5410, 49.2386

Monochromacy



Original Color

50.8009, 38.4326, 71.0704



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

42.7424, 39.6346, 53.5416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8009, 38.4326, 71.0704 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, 139, 218)` looks like.

```
.text, #text, p{  
    color:rgb(218, 139, 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(218, 139, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 139, 218) }
```

Border

The CSS property to change the border of an element to XYZ 50.8009, 38.4326, 71.0704 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, 139, 218) }
```


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

```
.border{ border-color:rgb(218, 139, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 139, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 139, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 139, 218);  
box-shadow:4px 4px 4px 4px rgb(218, 139,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8009, 38.4326, 71.0704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 139, 218) }
```

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

```
.background{ background-color: rgb(218,  
139, 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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