

Converting Colors

XYZ(49.7477, 38.5351, 44.3236)

Have a look what the booklet for
XYZ(49.7477, 38.5351, 44.3236)
contains.

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Color

**XYZ(49.7304, 38.4713,
44.3398)**

Conversions

Conversions Part 1

Format	Color
Hex	E78BAD
RGB	231, 139, 173
RGB Percent	91%, 55%, 68%
CMY	0.0941, 0.4549, 0.3216
CMYK	0.00, 0.40, 0.25, 0.09
HSL	338°, 66%, 73%
HSV	338°, 40%, 91%
XYZ	49.7304, 38.4713, 44.3398
YIQ	170.3840, 43.9180, 30.0780

Conversions

Conversions Part 2

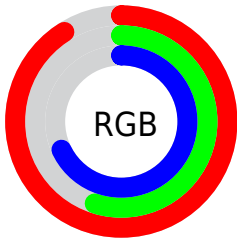
Format	Color
R_{YB}	231, 139, 173
Decimal	15174573
CIE _{Lab}	68.37, 39.25, -2.78
CIE _{LCh}	68, 39.350, 355.944
Yxy	38.4713, 0.3752, 0.2903
Android (android.graphics.Color)	4293364653 (0xFFE78BAD)
YUV	170.3840, 1.2897, 53.1602
Hunter-Lab	62.0252, 34.5730, 1.0332

Details

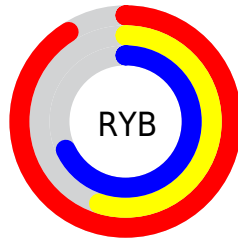
The XYZ color **49.7304, 38.4713, 44.3398** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **49.3031, 66.6729, 63.0972**, and the grayscale version is **38.3795, 40.3782, 43.9719**.

A 20% lighter version of the original color is **74.5354, 65.4450, 82.1025**, and **24.0930, 17.0811, 20.1163** is the 20% darker color. If you saturate the color by 10%, you get **45.3989, 31.9418, 36.3180**, and if you desaturate by 10%, it is **54.9243, 46.4791, 53.4079**.

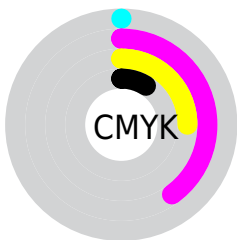
Distribution



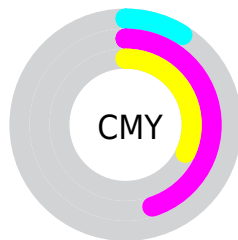
- Red (91%)
- Green (55%)
- Blue (68%)



- Red (91%)
- Yellow (55%)
- Blue (68%)



- Cyan (0%)
- Magenta (40%)
- Yellow (25%)
- Black (9%)





- Cyan (9%)
- Magenta (45%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7304, 38.4713, 44.3398 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 49.7304, 38.4713, 44.3398 by changing the saturation by 10% instead.


 49.7304, 38.4713,
44.3398


 49.7304, 38.4713,
44.3398


376.0801,
339.6374, 380.1750


 35.4162, 26.3487,
30.5986


 88.9695, 72.8299,
83.0367

 24.1516, 17.0847,
20.0375


 114.6251, 95.8348,
108.8295

 15.5715, 10.2949,
12.2379


 144.7918,
123.2358, 139.4766

 9.3104, 5.5949,
6.7814

179.8350,
155.4174, 175.3965

 5.0029, 2.6004,
3.2494

220.1201,
192.7639, 217.0077

 2.2837, 0.9268,
1.2234

266.0124,

 0.7863, 0.0000,

235.6599, 264.7289

0.0000

317.8773,
284.4896, 318.9784

■ 0.0000, 0.0000,
0.0000

■ 49.7304, 38.4713,
44.3398

■ 49.7304, 38.4713,
44.3398

■ 45.3989, 31.9418,
36.3180

■ 54.9243, 46.4791,
53.4079

■ 41.8768, 26.7934,
29.2993

■ 61.0231, 56.0436,
63.5582

■ 39.1099, 22.9258,
23.2407

■ 68.0701, 67.2439,
74.8278

■ 37.0358, 20.2226,
18.0944

■ 76.1048, 80.1525,
87.2510

■ 35.5807, 18.5457,
13.8072

■ 85.1647, 94.8371,
100.8607

■ 34.6238, 17.6635,
10.3081

■ 86.7651, 95.7290,
108.5123

■ 34.6092, 17.6506,
10.2527

Harmonies

Analogous

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



47.3082, 38.4713, 63.9563



49.7304, 38.4713, 44.3398



48.3122, 38.4713, 28.7068

Triad

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



49.7304, 38.4713, 44.3398



31.6147, 38.4713, 18.1524



30.3130, 38.4713, 76.8377

Complementary

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



49.7304, 38.4713, 44.3398



49.3031, 66.6729, 63.0972

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.



26.8967, 38.4713, 58.5909



49.7304, 38.4713, 44.3398



27.5867, 38.4713, 25.5894

Square

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



49.7304, 38.4713, 44.3398



37.4119, 38.4713, 16.3058



25.9573, 38.4713, 39.5296



35.7325, 38.4713, 85.7728

Rectangle

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



49.7304, 38.4713, 44.3398



45.4567, 38.4713, 21.8995



25.9573, 38.4713, 39.5296



28.9171, 38.4713, 71.3774

Sweetspot

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



49.7315, 38.4731, 44.3406



83.1012, 80.8257, 90.3554



46.3536, 35.9369, 80.0949



17.5320, 16.8937, 18.9349



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.



49.7315, 38.4731, 44.3406



57.5918, 41.1333, 46.9345



48.4804, 40.5826, 29.7065



14.5961, 14.4556, 16.0734



19.4573, 9.9171, 6.0370



1.4815, 0.7503, 0.6760

Inverse Universe

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



49.7315, 38.4731, 44.3406



57.5918, 41.1333, 46.9345



50.7358, 62.5860, 85.0077



14.5961, 14.4556, 16.0734



19.4573, 9.9171, 6.0370



1.4815, 0.7503, 0.6760

Previews

White Background



This preview shows how the XYZ color 49.7304, 38.4713, 44.3398 looks on a white background.

Color Contrast Check

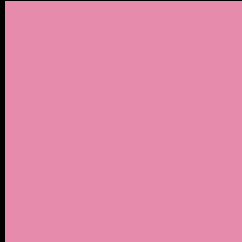
Large Text (above 18pt) WCAG AA × Fail

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 49.7304, 38.4713, 44.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

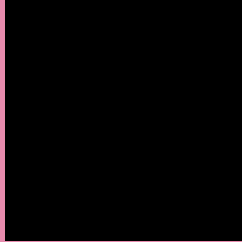
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7304, 38.4713, 44.3398

Background



This preview shows how black text looks on a background with the XYZ color 49.7304, 38.4713, 44.3398.



This preview shows how white text looks on a background with the XYZ color 49.7304, 38.4713,

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

49.7304, 38.4713, 44.3398

Protanopia

38.0347, 38.7767, 54.1952

Deuteranopia

39.3732, 38.6503, 42.9212



Tritanopia

47.8853, 38.6028, 35.0643

Trichromacy



Original Color

49.7304, 38.4713, 44.3398



Protanomaly

41.2792, 37.9290, 50.4928



Deuteranomaly

42.6307, 38.2928, 43.1746



Tritanomaly

48.6513, 38.7071, 38.1647

Monochromacy



Original Color

49.7304, 38.4713, 44.3398



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

41.4871, 38.9430, 43.8582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7304, 38.4713, 44.3398 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(231, 139, 173)` looks like.

```
.text, #text, p{  
    color:rgb(231, 139, 173)  
}
```

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(231, 139, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 139, 173) }
```

Border

The CSS property to change the border of an element to XYZ 49.7304, 38.4713, 44.3398 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(231, 139, 173) }
```


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

```
.border{ border-color:rgb(231, 139, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 139, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 139, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 139, 173);  
box-shadow:4px 4px 4px 4px rgb(231, 139,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7304, 38.4713, 44.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 139, 173) }
```

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

```
.background{ background-color: rgb(231,  
139, 173) }
```

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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