

Converting Colors

XYZ(49.1612, 37.7057, 43.6613)

Have a look what the booklet for
XYZ(49.1612, 37.7057, 43.6613)
contains.

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Color

**XYZ(49.3471, 37.8588,
43.7363)**

Conversions

Conversions Part 1

Format	Color
Hex	E789AC
RGB	231, 137, 172
RGB Percent	91%, 54%, 67%
CMY	0.0941, 0.4627, 0.3255
CMYK	0.00, 0.41, 0.26, 0.09
HSL	338°, 66%, 72%
HSV	338°, 41%, 91%
XYZ	49.3471, 37.8588, 43.7363
YIQ	169.0960, 44.7890, 30.8130

Conversions

Conversions Part 2

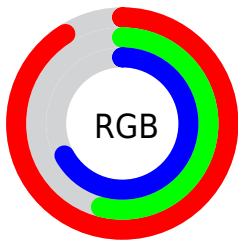
Format	Color
R_{YB}	231, 137, 172
Decimal	15174060
CIE _{Lab}	67.92, 40.15, -2.88
CIE _{LCh}	68, 40.257, 355.892
Yxy	37.8588, 0.3769, 0.2891
Android (android.graphics.Color)	4293364140 (0xFFE789AC)
YUV	169.0960, 1.4317, 54.2898
Hunter-Lab	61.5295, 35.4816, 0.9262

Details

The XYZ color **49.3471, 37.8588, 43.7363** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **48.8580, 66.4568, 62.4803**, and the grayscale version is **37.7382, 39.7035, 43.2371**.

A 20% lighter version of the original color is **73.9548, 64.5053, 81.2260**, and **23.8722, 16.7373, 19.7417** is the 20% darker color. If you saturate the color by 10%, you get **45.0906, 31.4539, 35.8177**, and if you desaturate by 10%, it is **54.4606, 45.7339, 52.6910**.

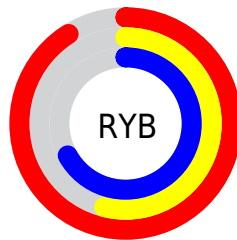
Distribution



Red (91%)

Green (54%)

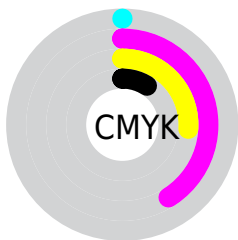
Blue (67%)



Red (91%)

Yellow (54%)

Blue (67%)

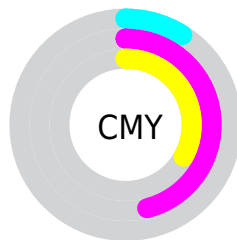


Cyan (0%)

Magenta (41%)

Yellow (26%)

Black (9%)



Cyan (9%)


Magenta (46%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3471, 37.8588, 43.7363 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 49.3471, 37.8588, 43.7363 by changing the saturation by 10% instead.


 49.3471, 37.8588,
43.7363


 49.3471, 37.8588,
43.7363


374.6015,
337.0139, 377.6409


 35.1106, 25.8731,
30.1276


 88.4044, 71.8917,
82.1190

 23.9150, 16.7287,
19.6826


 113.9558, 94.7076,
107.7301

 15.3950, 10.0413,
11.9827


 144.0097,
121.9025, 138.1791

 9.1852, 5.4263,
6.6095

178.9312,
153.8606, 173.8845

 4.9202, 2.4995,
3.1444

219.0858,
190.9664, 215.2648

 2.2348, 0.8764,
1.1688

264.8388,

 0.7610, 0.0000,

233.6043, 262.7386

0.0000

316.5556,
282.1587, 316.7245

■ 0.0000, 0.0000,
0.0000

■ 49.3471, 37.8588,
43.7363

■ 49.3471, 37.8588,
43.7363

■ 45.0906, 31.4539,
35.8177

■ 54.4606, 45.7339,
52.6910

■ 41.6377, 26.4212,
28.8924

■ 60.4739, 55.1581,
62.7178

■ 38.9340, 22.6595,
22.9173

■ 67.4304, 66.2112,
73.8535

■ 36.9160, 20.0508,
17.8447

■ 75.3699, 78.9659,
86.1323

■ 35.5090, 18.4546,
13.6212

■ 84.3299, 93.4903,
99.5869

■ 34.6350, 17.6610,
10.3882

■ 86.7652, 95.7290,
108.5123

Harmonies

Analogous

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



46.8765, 37.8588, 63.6842



49.3471, 37.8588, 43.7363



47.9107, 37.8588, 27.9479

Triad

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



49.3471, 37.8588, 43.7363



30.9880, 37.8588, 17.3686



29.6581, 37.8588, 76.7797

Complementary

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



49.3471, 37.8588, 43.7363



48.8580, 66.4568, 62.4803

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.



26.2211, 37.8588, 58.1471



49.3471, 37.8588, 43.7363



26.9243, 37.8588, 24.7806

Square

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



49.3471, 37.8588, 43.7363



36.8513, 37.8588, 15.5448



25.2809, 37.8588, 38.8056



35.1298, 37.8588, 85.9489

Rectangle

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



49.3471, 37.8588, 43.7363



45.0106, 37.8588, 21.1224



25.2809, 37.8588, 38.8056



28.2523, 37.8588, 71.1935

Sweetspot

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



49.3482, 37.8606, 43.7370



83.1135, 80.8307, 90.4203



45.8681, 35.2606, 79.9902



17.5349, 16.8948, 18.9502



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.



49.3482, 37.8606, 43.7370



57.1223, 40.3958, 46.1570



48.0565, 39.9664, 28.8506



14.5978, 14.4563, 16.0823



19.4719, 9.9230, 6.1142



1.4827, 0.7508, 0.6823

Inverse Universe

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



49.3482, 37.8606, 43.7370



57.1223, 40.3958, 46.1570



50.3437, 62.2930, 84.9721



14.5978, 14.4563, 16.0823



19.4719, 9.9230, 6.1142



1.4827, 0.7508, 0.6823

Previews

White Background



This preview shows how the XYZ color 49.3471, 37.8588, 43.7363 looks on a white background.

Color Contrast Check

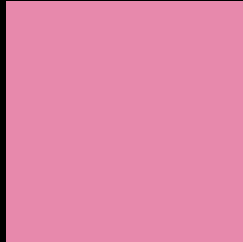
Large Text (above 18pt) WCAG AA × Fail

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 49.3471, 37.8588, 43.7363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

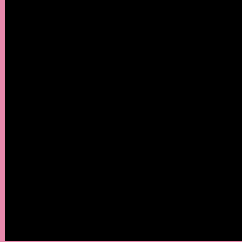
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3471, 37.8588, 43.7363

Background



This preview shows how black text looks on a background with the XYZ color 49.3471, 37.8588, 43.7363.



This preview shows how white text looks on a background with the XYZ color 49.3471, 37.8588,

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

49.3471, 37.8588, 43.7363

Protanopia

37.5407, 38.2658, 53.5515

Deuteranopia

38.8688, 38.1406, 42.3591



Tritanopia

47.4239, 37.9421, 34.1022

Trichromacy



Original Color

49.3471, 37.8588, 43.7363

Protanomaly

40.7621, 37.4264, 49.8754

Deuteranomaly

41.9429, 37.4632, 42.5566

Tritanomaly

48.2692, 38.0824, 37.6075

Monochromacy



Original Color

49.3471, 37.8588, 43.7363

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

41.0509, 38.2227, 43.2443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3471, 37.8588, 43.7363 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, 137, 172)` looks like.

```
.text, #text, p{  
    color:rgb(231, 137, 172)  
}
```

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, 137, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 137, 172) }
```

Border

The CSS property to change the border of an element to XYZ 49.3471, 37.8588, 43.7363 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, 137, 172) }
```


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

```
.border{ border-color:rgb(231, 137, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 137, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 137, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 137, 172);  
box-shadow:4px 4px 4px 4px rgb(231, 137,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3471, 37.8588, 43.7363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 137, 172) }
```

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

```
.background{ background-color: rgb(231,  
137, 172) }
```

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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