

Converting Colors

XYZ(48.7394, 37.5768, 47.7197)

Have a look what the booklet for
XYZ(48.7394, 37.5768, 47.7197)
contains.

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Color

**XYZ(48.6907, 37.6410,
47.8792)**

Conversions

Conversions Part 1

Format	Color
Hex	E28AB4
RGB	226, 138, 180
RGB Percent	89%, 54%, 71%
CMY	0.1137, 0.4588, 0.2941
CMYK	0.00, 0.39, 0.20, 0.11
HSL	331°, 60%, 71%
HSV	331°, 39%, 89%
XYZ	48.6907, 37.6410, 47.8792
YIQ	169.1000, 38.9660, 31.7180

Conversions

Conversions Part 2

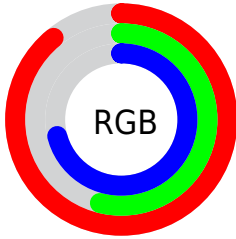
Format	Color
R _Y B	226, 138, 180
Decimal	14846644
CIE Lab	67.76, 39.06, -7.68
CIE LCh	68, 39.807, 348.874
Yxy	37.6410, 0.3628, 0.2805
Android (android.graphics.Color)	4293036724 (0xFFE28AB4)
YUV	169.1000, 5.3737, 49.9013
Hunter-Lab	61.3523, 34.2956, -3.3232

Details

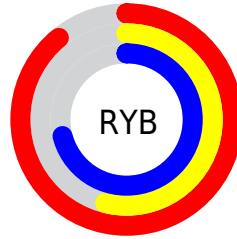
The XYZ color **48.6907, 37.6410, 47.8792** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **46.3310, 63.2576, 55.1184**, and the grayscale version is **37.7233, 39.6878, 43.2201**.

A 20% lighter version of the original color is **75.4503, 65.4561, 88.0145**, and **23.5207, 16.6229, 22.0475** is the 20% darker color. If you saturate the color by 10%, you get **44.6266, 31.3572, 40.8375**, and if you desaturate by 10%, it is **53.5342, 45.3186, 55.6877**.

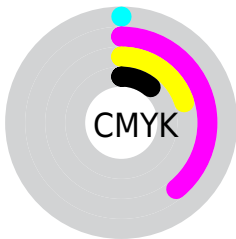
Distribution



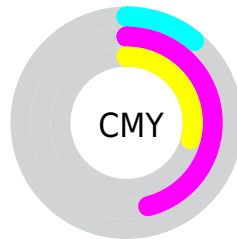
- Red (89%)
- Green (54%)
- Blue (71%)



- Red (89%)
- Yellow (54%)
- Blue (71%)



- Cyan (0%)
- Magenta (39%)
- Yellow (20%)
- Black (11%)




- Cyan (11%)
- Magenta (46%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6907, 37.6410, 47.8792 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 48.6907, 37.6410, 47.8792 by changing the saturation by 10% instead.


 48.6907, 37.6410,
47.8792

 48.6907, 37.6410,
47.8792


372.0606,
336.0774, 394.8080


 34.5877, 25.7042,
33.3719


 87.4354, 71.5576,
88.3882

 23.5105, 16.6025,
22.1381


 112.8078, 94.3061,
115.2270

 15.0937, 9.9515,
13.7591


 142.6674,
121.4273, 147.0134

 8.9719, 5.3668,
7.8165

177.3795,
153.3056, 184.1659

 4.7798, 2.4640,
3.8917

217.3096,
190.3253, 227.1031

 2.1521, 0.8585,
1.5661

262.8228,

 0.7173, 0.0000,

232.8710, 276.2434

0.2665

314.2847,
281.3269, 332.0056

■ 0.0000, 0.0000,
0.0000

■ 48.6907, 37.6410,
47.8792

■ 48.6907, 37.6410,
47.8792

■ 44.6266, 31.3572,
40.8375

■ 53.5342, 45.3186,
55.6877

■ 41.2938, 26.3764,
34.5328

■ 59.1948, 54.4627,
64.2864

■ 38.6440, 22.6056,
28.9363

■ 65.7116, 65.1472,
73.7006

■ 36.6210, 19.9370,
24.0157

■ 73.1202, 77.4396,
83.9533

■ 35.1588, 18.2431,
19.7347

■ 81.4539, 91.4032,
95.0668

■ 34.1568, 17.3277,
16.0449

■ 84.5189, 94.6467,
104.9870

■ 34.0634, 17.2485,
15.6817

■ 85.1742, 94.9088,
108.4378

Harmonies

Analogous

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



45.4523, 37.6410, 67.5635



48.6907, 37.6410, 47.8792



48.1842, 37.6410, 30.9690

Triad

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



48.6907, 37.6410, 47.8792



32.0832, 37.6410, 16.5513



28.5436, 37.6410, 72.1842

Complementary

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



48.6907, 37.6410, 47.8792



46.3310, 63.2576, 55.1184

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.



25.7059, 37.6410, 52.9557



48.6907, 37.6410, 47.8792



27.5819, 37.6410, 22.4896

Square

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



48.6907, 37.6410, 47.8792



38.1093, 37.6410, 15.9121



25.3753, 37.6410, 34.7859



33.5411, 37.6410, 84.0481

Rectangle

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



48.6907, 37.6410, 47.8792



45.8040, 37.6410, 23.1805



25.3753, 37.6410, 34.7859



27.3312, 37.6410, 66.1494

Sweetspot

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



48.6918, 37.6428, 47.8800



83.5838, 81.0188, 92.8971



42.4572, 33.7946, 76.2371



17.6454, 16.9390, 19.5317



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.



48.6918, 37.6428, 47.8800



59.4780, 42.4511, 55.1306



45.2532, 36.6063, 28.7276



13.9783, 13.8089, 15.6558



19.4923, 9.8639, 9.2582



1.3961, 0.7017, 0.8789

Inverse Universe

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



48.6918, 37.6428, 47.8800



59.4780, 42.4511, 55.1306



51.0091, 64.4935, 81.7118



13.9783, 13.8089, 15.6558



19.4923, 9.8639, 9.2582



1.3961, 0.7017, 0.8789

Previews

White Background



This preview shows how the XYZ color 48.6907, 37.6410, 47.8792 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 48.6907, 37.6410, 47.8792 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 48.6907, 37.6410, 47.8792

Background



This preview shows how black text looks on a background with the XYZ color 48.6907, 37.6410, 47.8792.



This preview shows how white text looks on a background with the XYZ color 48.6907, 37.6410,

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

48.6907, 37.6410, 47.8792

Protanopia

37.6516, 37.9531, 58.1645

Deuteranopia

38.7128, 37.9714, 46.3631



Tritanopia

46.0866, 37.6660, 35.4131

Trichromacy



Original Color

48.6907, 37.6410, 47.8792



Protanomaly

40.6538, 37.2716, 54.3417



Deuteranomaly

41.8327, 37.5589, 46.6397



Tritanomaly

46.8762, 37.5414, 39.4259

Monochromacy



Original Color

48.6907, 37.6410, 47.8792



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

41.0049, 38.4180, 44.7894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6907, 37.6410, 47.8792 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(226, 138, 180)` looks like.

```
.text, #text, p{  
    color:rgb(226, 138, 180)  
}
```

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(226, 138, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 138, 180) }
```

Border

The CSS property to change the border of an element to XYZ 48.6907, 37.6410, 47.8792 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(226, 138, 180) }
```


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

```
.border{ border-color:rgb(226, 138, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 138, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 138, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 138, 180);  
box-shadow:4px 4px 4px 4px rgb(226, 138,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6907, 37.6410, 47.8792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 138, 180) }
```

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

```
.background{ background-color: rgb(226,  
138, 180) }
```

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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