

Converting Colors

XYZ(47.7856, 37.0868, 42.1760)

Have a look what the booklet for
XYZ(47.7856, 37.0868, 42.1760)
contains.

XYZ(47.7856, 37.0868, 42.1760)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.7856, 37.0868,
42.1760)**

Conversions

Conversions Part 1

Format	Color
Hex	E389A9
RGB	227, 137, 169
RGB Percent	89%, 54%, 66%
CMY	0.1098, 0.4627, 0.3373
CMYK	0.00, 0.40, 0.26, 0.11
HSL	339°, 62%, 71%
HSV	339°, 40%, 89%
XYZ	47.7856, 37.0868, 42.1760
YIQ	167.5580, 43.3680, 29.0320

Conversions

Conversions Part 2

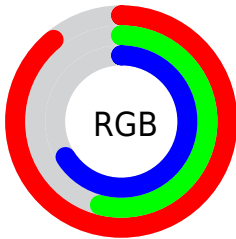
Format	Color
R_{YB}	227, 137, 169
Decimal	14911913
CIE _{Lab}	67.34, 38.35, -2.10
CIE _{LCh}	67, 38.403, 356.868
Yxy	37.0868, 0.3761, 0.2919
Android (android.graphics.Color)	4293101993 (0xFFE389A9)
YUV	167.5580, 0.7109, 52.1306
Hunter-Lab	60.8989, 33.4906, 1.5675

Details

The XYZ color **47.7856, 37.0868, 42.1760** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **47.6376, 64.1975, 61.5135**, and the grayscale version is **36.9857, 38.9118, 42.3750**.

A 20% lighter version of the original color is **73.5442, 64.3411, 79.0639**, and **23.0369, 16.3274, 18.7669** is the 20% darker color. If you saturate the color by 10%, you get **43.5942, 30.7802, 34.3777**, and if you desaturate by 10%, it is **52.8116, 44.8160, 51.0115**.

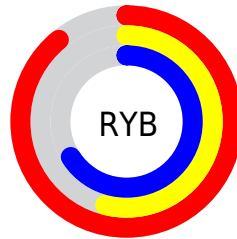
Distribution



Red (89%)

Green (54%)

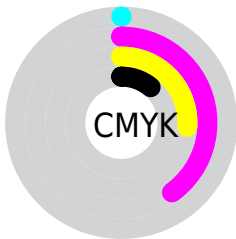
Blue (66%)



Red (89%)

Yellow (54%)

Blue (66%)

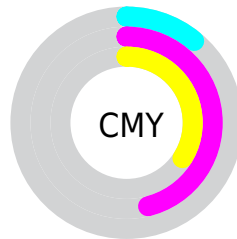


Cyan (0%)

Magenta (40%)

Yellow (26%)

Black (11%)



Cyan (11%)


Magenta (46%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7856, 37.0868, 42.1760 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 47.7856, 37.0868, 42.1760 by changing the saturation by 10% instead.


 47.7856, 37.0868,
42.1760


 47.7856, 37.0868,
42.1760

368.5384,
333.6862, 371.0332


 33.8677, 25.2747,
28.9125


 86.0967, 70.7063,
79.7389

 22.9544, 16.2818,
18.7697

 111.2206, 93.2824,
104.8754

 14.6803, 9.7238,
11.3288


 140.8106,
120.2154, 134.8066

 8.6802, 5.2162,
6.1715

175.2319,
151.8896, 169.9512

 4.5886, 2.3747,
2.8792

214.8500,
188.6893, 210.7276

 2.0402, 0.8128,
1.0333

260.0303,

 0.6564, 0.0000,

230.9991, 257.5543

0.0000

311.1379,
279.2032, 310.8500

0.0000, 0.0000,
0.0000

47.7856, 37.0868,
42.1760

47.7856, 37.0868,
42.1760

43.5942, 30.7802,
34.3777

52.8116, 44.8160,
51.0115

40.1863, 25.8030,
27.5736

58.7129, 54.0427,
60.9204

37.5098, 22.0591,
21.7204

65.5316, 64.8429,
71.9396

35.5045, 19.4374,
16.7704

73.3057, 77.2859,
84.1037

34.0997, 17.8058,
12.6704

82.0712, 91.4369,
97.4455

■ 33.1809, 16.9458,
9.3505

■ 85.4886, 95.0709,
108.4525

■ 33.1527, 16.9206,
9.2450

Harmonies

Analogous

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



45.5895, 37.0868, 60.7877



47.7856, 37.0868, 42.1760



46.3266, 37.0868, 27.4453

Triad

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



47.7856, 37.0868, 42.1760



30.3837, 37.0868, 17.8383



29.4250, 37.0868, 74.0140

Complementary

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



47.7856, 37.0868, 42.1760



47.6376, 64.1975, 61.5135

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.



26.0965, 37.0868, 56.8517



47.7856, 37.0868, 42.1760



26.6053, 37.0868, 25.1445

Square

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



47.7856, 37.0868, 42.1760



35.8711, 37.0868, 15.9129



25.1240, 37.0868, 38.6381



34.6359, 37.0868, 82.1033

Rectangle

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



47.7856, 37.0868, 42.1760



43.5574, 37.0868, 21.0623



25.1240, 37.0868, 38.6381



28.0721, 37.0868, 68.9166

Sweetspot

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



47.7866, 37.0886, 42.1767



83.0390, 80.8009, 90.0282



45.0604, 34.9088, 77.0363



17.5175, 16.8879, 18.8582



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.



47.7866, 37.0886, 42.1767



57.4208, 41.0649, 46.0343



46.9427, 39.6338, 28.8451



14.5876, 14.4522, 16.0286



19.3852, 9.8883, 5.6573



1.4755, 0.7479, 0.6445

Inverse Universe

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



47.7866, 37.0886, 42.1767



57.4208, 41.0649, 46.0343



48.4834, 59.4663, 81.5960



14.5876, 14.4522, 16.0286



19.3852, 9.8883, 5.6573



1.4755, 0.7479, 0.6445

Previews

White Background



This preview shows how the XYZ color 47.7856, 37.0868, 42.1760 looks on a white background.

Color Contrast Check

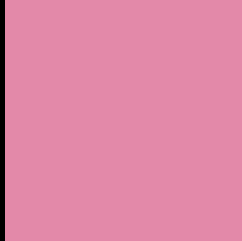
Large Text (above 18pt) WCAG AA × Fail

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 47.7856, 37.0868, 42.1760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

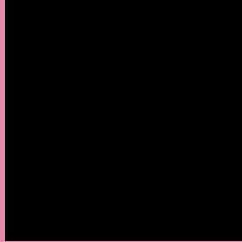
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7856, 37.0868, 42.1760

Background



This preview shows how black text looks on a background with the XYZ color 47.7856, 37.0868, 42.1760.



This preview shows how white text looks on a background with the XYZ color 47.7856, 37.0868,

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

47.7856, 37.0868, 42.1760

Protanopia

36.5521, 37.2742, 51.1671

Deuteranopia

38.0121, 37.2162, 40.7773



Tritanopia

46.0153, 36.9981, 33.9942

Trichromacy



Original Color

47.7856, 37.0868, 42.1760

Protanomaly

39.6999, 36.6802, 47.6354

Deuteranomaly

40.9755, 36.7567, 41.0115

Tritanomaly

46.7682, 37.1026, 37.0443

Monochromacy



Original Color

47.7856, 37.0868, 42.1760

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.1111, 37.7599, 42.2201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7856, 37.0868, 42.1760 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(227, 137, 169)` looks like.

```
.text, #text, p{  
    color:rgb(227, 137, 169)  
}
```

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(227, 137, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 137, 169) }
```

Border

The CSS property to change the border of an element to XYZ 47.7856, 37.0868, 42.1760 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(227, 137, 169) }
```


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

```
.border{ border-color:rgb(227, 137, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 137, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 137, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 137, 169);  
box-shadow:4px 4px 4px 4px rgb(227, 137,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7856, 37.0868, 42.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 137, 169) }
```

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

```
.background{ background-color: rgb(227,  
137, 169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor