

Converting Colors

XYZ(49.4587, 37.2454, 49.5260)

Have a look what the booklet for
XYZ(49.4587, 37.2454, 49.5260)
contains.

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Color

**XYZ(49.3854, 37.1271,
49.3631)**

Conversions

Conversions Part 1

Format	Color
Hex	E586B7
RGB	229, 134, 183
RGB Percent	90%, 53%, 72%
CMY	0.1020, 0.4745, 0.2823
CMYK	0.00, 0.41, 0.20, 0.10
HSL	329°, 65%, 71%
HSV	329°, 41%, 90%
XYZ	49.3854, 37.1271, 49.3631
YIQ	167.9910, 40.8910, 35.3790

Conversions

Conversions Part 2

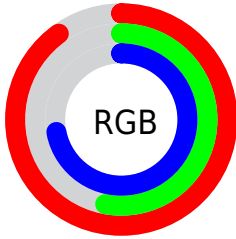
Format	Color
R_{YB}	229, 134, 183
Decimal	15042231
CIE _{Lab}	67.37, 42.60, -9.90
CIE _{LCh}	67, 43.738, 346.922
Yxy	37.1271, 0.3635, 0.2732
Android (android.graphics.Color)	4293232311 (0xFFE586B7)
YUV	167.9910, 7.3994, 53.5049
Hunter-Lab	60.9320, 38.0432, -5.3804

Details

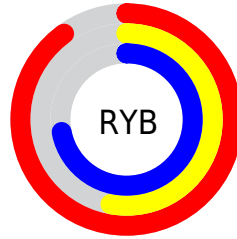
The XYZ color **49.3854, 37.1271, 49.3631** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **46.0907, 64.4032, 53.1848**, and the grayscale version is **37.1668, 39.1024, 42.5825**.

A 20% lighter version of the original color is **75.0176, 63.8872, 90.0390**, and **24.0598, 16.4169, 23.0198** is the 20% darker color. If you saturate the color by 10%, you get **45.4472, 31.0253, 42.5785**, and if you desaturate by 10%, it is **54.1020, 44.6393, 56.8566**.

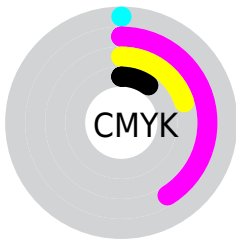
Distribution



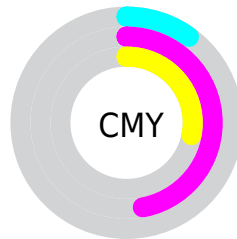
- Red (90%)
- Green (53%)
- Blue (72%)



- Red (90%)
- Yellow (53%)
- Blue (72%)



- Cyan (0%)
- Magenta (41%)
- Yellow (20%)
- Black (10%)





- Cyan (10%)
- Magenta (47%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3854, 37.1271, 49.3631 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 49.3854, 37.1271, 49.3631 by changing the saturation by 10% instead.


 49.3854, 37.1271,
49.3631


 49.3854, 37.1271,
49.3631


374.7494,
333.8605, 400.8335


 35.1411, 25.3059,
34.5400


 88.4609, 70.7682,
90.6171

 23.9386, 16.3051,
23.0280


 114.0228, 93.3569,
117.8850

 15.4126, 9.7403,
14.4087


 144.0879,
120.3036, 150.1382

 9.1976, 5.2271,
8.2635

179.0216,
151.9927, 187.7954

 4.9285, 2.3811,
4.1738

219.1892,
188.8085, 231.2749

 2.2397, 0.8162,
1.7212

264.9562,

 0.7635, 0.0000,

231.1355, 280.9954

0.3752

316.6878,
279.3580, 337.3754

■ 0.0000, 0.0000,
0.0000

■ 49.3854, 37.1271,
49.3631

■ 49.3854, 37.1271,
49.3631

■ 45.4472, 31.0253,
42.5785

■ 54.1020, 44.6393,
56.8566

■ 42.2373, 26.2383,
36.4747

■ 59.6364, 53.6388,
65.0810

■ 39.7047, 22.6673,
31.0245

■ 66.0292, 64.2030,
74.0597

■ 37.7900, 20.1967,
26.1969

■ 73.3171, 76.4026,
83.8145

■ 36.4219, 18.6880,
21.9566

■ 81.5347, 90.3039,
94.3658

■ 35.5898, 17.9687,
18.7665

■ 85.2557, 95.0511,
103.9137

■ 86.1232, 95.3981,
108.4822

Harmonies

Analogous

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



45.5609, 37.1271, 71.2287



49.3854, 37.1271, 49.3631



49.1061, 37.1271, 30.6076

Triad

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



49.3854, 37.1271, 49.3631



31.6692, 37.1271, 14.4015



27.1993, 37.1271, 73.8124

Complementary

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



49.3854, 37.1271, 49.3631



46.0907, 64.4032, 53.1848

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.



24.3410, 37.1271, 52.1450



49.3854, 37.1271, 49.3631



26.6888, 37.1271, 20.0968

Square

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



49.3854, 37.1271, 49.3631



38.2848, 37.1271, 14.0820



24.1668, 37.1271, 32.6369



32.4522, 37.1271, 88.0743

Rectangle

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



49.3854, 37.1271, 49.3631



46.6237, 37.1271, 22.0628



24.1668, 37.1271, 32.6369



25.9572, 37.1271, 66.8911

Sweetspot

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



49.3865, 37.1289, 49.3638



83.7586, 81.0887, 93.8174



41.4726, 32.4027, 78.1976



17.6865, 16.9555, 19.7481



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.



49.3865, 37.1289, 49.3638



58.5488, 40.4301, 55.3223



45.2539, 35.4758, 27.6022



14.6858, 14.4915, 16.5458



20.4096, 10.2981, 11.0519



1.5551, 0.7798, 1.0637

Inverse Universe

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



49.3865, 37.1289, 49.3638



58.5488, 40.4301, 55.3223



51.7747, 66.6768, 83.1164



14.6858, 14.4915, 16.5458



20.4096, 10.2981, 11.0519



1.5551, 0.7798, 1.0637

Previews

White Background



This preview shows how the XYZ color 49.3854, 37.1271, 49.3631 looks on a white background.

Color Contrast Check

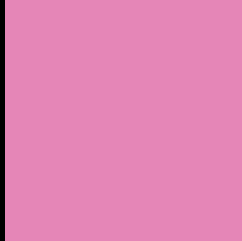
Large Text (above 18pt) WCAG AA × Fail

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 49.3854, 37.1271, 49.3631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

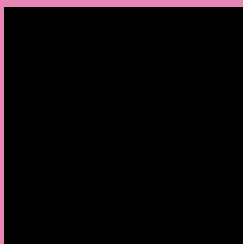
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3854, 37.1271, 49.3631

Background



This preview shows how black text looks on a background with the XYZ color 49.3854, 37.1271, 49.3631.



This preview shows how white text looks on a background with the XYZ color 49.3854, 37.1271,

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

49.3854, 37.1271, 49.3631

Protanopia

37.2754, 37.4272, 61.1367

Deuteranopia

38.0622, 37.3546, 47.3235



Tritanopia

46.3280, 37.1593, 34.0089

Trichromacy



Original Color

49.3854, 37.1271, 49.3631

Protanomaly

40.3700, 36.3417, 56.5167

Deuteranomaly

41.5530, 36.8978, 48.1119

Tritanomaly

47.3779, 37.1522, 39.3243

Monochromacy



Original Color

49.3854, 37.1271, 49.3631

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.6665, 37.7412, 44.6766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3854, 37.1271, 49.3631 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(229, 134, 183)` looks like.

```
.text, #text, p{  
    color:rgb(229, 134, 183)  
}
```

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(229, 134, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 134, 183) }
```

Border

The CSS property to change the border of an element to XYZ 49.3854, 37.1271, 49.3631 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(229, 134, 183) }
```


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

```
.border{ border-color:rgb(229, 134, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 134, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 134, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 134, 183);  
box-shadow:4px 4px 4px 4px rgb(229, 134,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3854, 37.1271, 49.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 134, 183) }
```

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

```
.background{ background-color: rgb(229,  
134, 183) }
```

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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