

# Converting Colors

XYZ(43.6808, 37.1246, 72.8299)

Have a look what the booklet for  
XYZ(43.6808, 37.1246, 72.8299)  
contains.

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# Color

**XYZ(43.5918, 37.1703,  
72.5872)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B896DC
RGB	184, 150, 220
RGB Percent	72%, 59%, 86%
CMY	0.2784, 0.4118, 0.1373
CMYK	0.16, 0.32, 0.00, 0.14
HSL	269°, 50%, 73%
HSV	269°, 32%, 86%
XYZ	43.5918, 37.1703, 72.5872
YIQ	168.1460, -2.2060, 28.9780

# Conversions

## Conversions Part 2

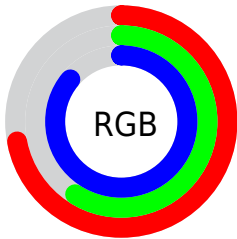
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 150, 220
Decimal	12097244
CIELab	67.40, 26.09, -30.91
CIELCh	67, 40.450, 310.160
Yxy	37.1703, 0.2843, 0.2424
Android (android.graphics.Color)	4290287324 (0xFFB896DC)
YUV	168.1460, 25.5640, 13.9040
Hunter-Lab	60.9675, 20.9347, -27.9128

# Details

The XYZ color **43.5918, 37.1703, 72.5872** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.3489, 63.8283, 38.4694**, and the grayscale version is **37.1713, 39.1071, 42.5877**.

A 20% lighter version of the original color is **75.9185, 69.1065, 103.9453**, and **20.4593, 16.3861, 37.6818** is the 20% darker color. If you saturate the color by 10%, you get **37.8027, 29.4553, 71.4038**, and if you desaturate by 10%, it is **50.2592, 46.3181, 74.0021**.

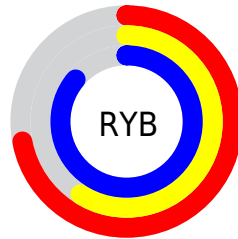
# Distribution



Red (72%)

Green (59%)

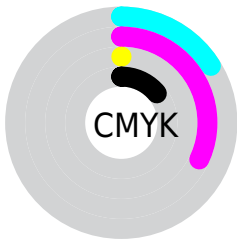
Blue (86%)



Red (72%)

Yellow (59%)

Blue (86%)

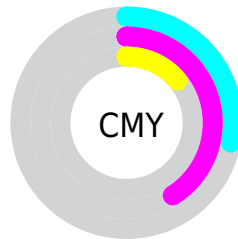


Cyan (16%)

Magenta (32%)

Yellow (0%)

Black (14%)



Cyan (28%)

Magenta (41%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5918, 37.1703, 72.5872 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 43.5918, 37.1703, 72.5872 by changing the saturation by 10% instead.





 43.5918, 37.1703,  
72.5872

 43.5918, 37.1703,  
72.5872

351.9203,  
334.0472, 488.6152

 30.5463, 25.3394,  
53.1487

 79.8533, 70.8346,  
124.6065

 20.4037, 16.3301,  
37.5330

 103.8000, 93.4368,  
158.0244

 12.7988, 9.7580,  
25.3214


132.1111,  
120.3982, 196.9392

 7.3662, 5.2388,  
16.0955

165.1520,  
152.1032, 241.7694

 3.7405, 2.3881,  
9.4367

203.2880,  
188.9363, 292.9335

 1.5564, 0.8197,  
4.9264

246.8844,

 0.3637, 0.0000,

231.2817, 350.8502

2.1462

296.3068,  
279.5239, 415.9379

■ 0.0000, 0.0000,  
0.6430

■ 0.0000, 0.0000,  
0.0000

■ 43.5918, 37.1703,  
72.5872

■ 43.5918, 37.1703,  
72.5872

■ 37.8027, 29.4553,  
71.4038

■ 50.2592, 46.3181,  
74.0021

■ 32.8462, 23.0921,  
70.4368

■ 57.8401, 56.9649,  
75.6576

■ 28.6776, 17.9982,  
69.6733

■ 66.3723, 69.1780,  
77.5653

■ 25.2462, 14.0800,  
69.0978

■ 75.8900, 83.0194,  
79.7353

■ 22.4940, 11.2303,  
68.6929

■ 84.8087, 95.3132,  
81.6381

■ 20.3527, 9.3211,  
68.4372

■ 88.7828, 97.3619,  
81.8241

■ 18.9647, 8.2844,  
68.3102

■ 89.9184, 97.9474,  
81.8773

# Harmonies

## Analogous

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



37.4749, 37.1703, 84.2573



43.5918, 37.1703, 72.5872



47.7759, 37.1703, 53.2056

# Triad

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



43.5918, 37.1703, 72.5872



39.5332, 37.1703, 16.0966



24.8429, 37.1703, 46.8005

# Complementary

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



43.5918, 37.1703, 72.5872



51.3489, 63.8283, 38.4694

# 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.



25.2571, 37.1703, 29.9520



43.5918, 37.1703, 72.5872



33.2671, 37.1703, 15.3033

# Square

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



43.5918, 37.1703, 72.5872



45.2494, 37.1703, 22.2000



28.1829, 37.1703, 19.5796



26.9765, 37.1703, 66.7359



# Rectangle

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



43.5918, 37.1703, 72.5872



48.6467, 37.1703, 40.3769



28.1829, 37.1703, 19.5796



24.6954, 37.1703, 40.5675

# Sweetspot

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



43.5930, 37.1718, 72.5880



82.7866, 82.3928, 106.1478



43.0912, 46.8407, 74.4808



17.3744, 17.1447, 22.6435



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.



43.5930, 37.1718, 72.5880



55.5166, 44.7106, 100.3117



52.9889, 42.0156, 73.0277



12.9377, 12.9260, 16.4652



11.2578, 4.9278, 40.0962



0.8286, 0.3704, 2.6023



# Inverse Universe

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



49.2855, 40.5749, 51.6896



64.8610, 50.2987, 65.9221



43.8928, 59.9846, 38.1205



13.3342, 13.1628, 15.0211



19.1328, 9.6541, 10.3452



1.2830, 0.6428, 0.8993



# Previews

## White Background



This preview shows how the XYZ color 43.5918, 37.1703, 72.5872 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

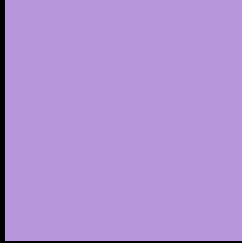
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.5918, 37.1703, 72.5872 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

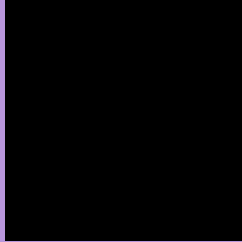
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 43.5918, 37.1703, 72.5872**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.5918, 37.1703, 72.5872.



This preview shows how white text looks on a background with the XYZ color 43.5918, 37.1703,



# 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

43.5918, 37.1703, 72.5872

### Protanopia

38.5648, 37.4271, 79.3203

### Deuteranopia

38.3377, 37.4819, 71.5438



## Tritanopia

37.7490, 37.0049, 44.1828

# Trichromacy



## Original Color

43.5918, 37.1703, 72.5872

## Protanomaly

40.2524, 37.3156, 77.0326

## Deuteranomaly

40.1173, 37.3547, 72.1136

## Tritanomaly

39.6642, 37.0348, 53.2020

# Monochromacy



## Original Color

43.5918, 37.1703, 72.5872

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

39.1701, 38.0763, 52.2987

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.5918, 37.1703, 72.5872 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(184, 150, 220)` looks like.

```
.text, #text, p{  
    color:rgb(184, 150, 220)  
}
```

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(184, 150, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 150, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 43.5918, 37.1703, 72.5872 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(184, 150, 220) }
```



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

```
.border{ border-color:rgb(184, 150, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 150, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 150, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 150, 220);  
box-shadow:4px 4px 4px 4px rgb(184, 150,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.5918, 37.1703, 72.5872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 150, 220) }
```

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

```
.background{ background-color: rgb(184,  
150, 220) }
```

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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