

# Converting Colors

XYZ(37.3910, 33.3206, 47.5570)

Have a look what the booklet for  
XYZ(37.3910, 33.3206, 47.5570)  
contains.

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# Color

**XYZ(37.4197, 33.3698,  
47.6488)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B591B4
RGB	181, 145, 180
RGB Percent	71%, 57%, 71%
CMY	0.2902, 0.4314, 0.2941
CMYK	0.00, 0.20, 0.01, 0.29
HSL	302°, 20%, 64%
HSV	302°, 20%, 71%
XYZ	37.4197, 33.3698, 47.6488
YIQ	159.7540, 10.2210, 18.5170

# Conversions

## Conversions Part 2

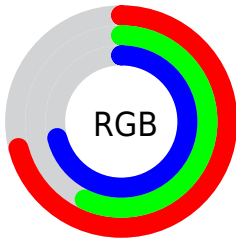
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 145, 180
Decimal	11899316
CIE <sub>Lab</sub>	64.46, 19.65, -13.12
CIE <sub>LCh</sub>	64, 23.628, 326.271
Yxy	33.3698, 0.3159, 0.2817
Android (android.graphics.Color)	4290089396 (0xFFB591B4)
YUV	159.7540, 9.9813, 18.6327
Hunter-Lab	57.7666, 14.5361, -8.4688

# Details

The XYZ color **37.4197, 33.3698, 47.6488** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.3906, 41.1439, 33.3776**, and the grayscale version is **33.2534, 34.9852, 38.0989**.

A 20% lighter version of the original color is **70.4888, 64.9075, 88.1701**, and **16.7356, 14.1269, 21.9234** is the 20% darker color. If you saturate the color by 10%, you get **34.8205, 28.2527, 46.5304**, and if you desaturate by 10%, it is **40.4617, 39.3712, 48.9165**.

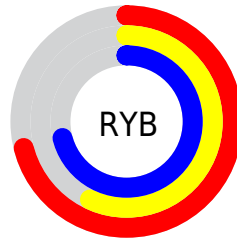
# Distribution



Red (71%)

Green (57%)

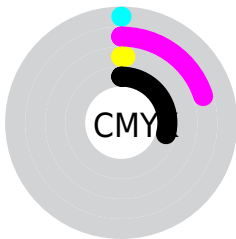
Blue (71%)



Red (71%)

Yellow (57%)

Blue (71%)

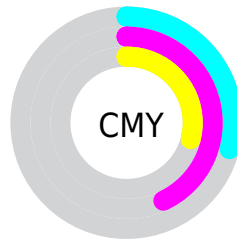


Cyan (0%)

Magenta (20%)

Yellow (1%)

Black (29%)



Cyan (29%)

Magenta (43%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4197, 33.3698, 47.6488 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 37.4197, 33.3698, 47.6488 by changing the saturation by 10% instead.





 37.4197, 33.3698,  
47.6488


 37.4197, 33.3698,  
47.6488


326.4481,  
317.3128, 393.8668

 25.7078, 22.4099,  
33.1908


 70.5275, 64.9524,  
88.0414

 16.7367, 14.1584,  
22.0004


 92.6540, 86.3440,  
114.8131

 10.1411, 8.2309,  
13.6588


118.9828,  
111.9815, 146.5264

 5.5556, 4.2431,  
7.7477

149.8792,  
142.2494, 183.5999

 2.6148, 1.8104,  
3.8485

185.7086,  
177.5321, 226.4522

 0.9535, 0.4937,  
1.5426

226.8363,

 0.0000, 0.0000,

218.2140, 275.5018

0.2494

273.6277,  
264.6794, 331.1671

■ 0.0000, 0.0000,  
0.0000

■ 37.4197, 33.3698,  
47.6488

■ 37.4197, 33.3698,  
47.6488

■ 34.8205, 28.2527,  
46.5304

■ 40.4617, 39.3712,  
48.9165

■ 32.6403, 23.9738,  
45.5521

■ 43.9630, 46.2913,  
50.3379

■ 30.8575, 20.4896,  
44.7073

■ 47.9429, 54.1682,  
51.9197

■ 29.4477, 17.7510,  
43.9877

■ 52.4185, 63.0364,  
53.6677

■ 28.3834, 15.7031,  
43.3841

■ 57.4064, 72.9288,  
55.5873

■ 27.6336, 14.2838,  
42.8864

■ 62.9222, 83.8767,  
57.6838

■ 27.1616, 13.4200,  
42.4821

■ 63.4181, 84.7846,  
58.1080

■ 26.8927, 12.9620,  
42.1465

■ 63.4708, 84.8057,  
58.3854

■ 26.8900, 12.9574,  
42.1428

■ 63.5237, 84.8268,  
58.6637

# Harmonies

## Analogous

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



34.6737, 33.3698, 55.6545



37.4197, 33.3698, 47.6488



38.6357, 33.3698, 37.5550

# Triad

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



37.4197, 33.3698, 47.6488



32.1405, 33.3698, 20.7780



26.2518, 33.3698, 45.1866

# Complementary

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



37.4197, 33.3698, 47.6488



33.3906, 41.1439, 33.3776

# 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.



25.6779, 33.3698, 35.1398



37.4197, 33.3698, 47.6488



28.9333, 33.3698, 22.0991

# Square

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



37.4197, 33.3698, 47.6488



35.4545, 33.3698, 22.9773



26.6253, 33.3698, 26.9693



28.2518, 33.3698, 54.0653



# Rectangle

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



37.4197, 33.3698, 47.6488



38.3559, 33.3698, 31.3766



26.6253, 33.3698, 26.9693



25.8921, 33.3698, 41.7880

# Sweetspot

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



37.4207, 33.3713, 47.6495



74.7413, 75.0086, 88.5381



30.2504, 29.6630, 47.8480



16.0697, 16.0450, 19.1018



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.4207, 33.3713, 47.6495



64.8214, 55.4381, 84.4012



35.7399, 32.6989, 38.7982



8.8396, 8.6426, 10.6539



18.5415, 8.9342, 29.0754



0.5866, 0.2824, 0.9315



# Inverse Universe

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



37.4207, 33.3713, 47.6495



64.8214, 55.4381, 84.4012



34.8669, 41.7344, 41.1520



8.8396, 8.6426, 10.6539



18.5415, 8.9342, 29.0754



0.5866, 0.2824, 0.9315



# Previews

## White Background



This preview shows how the XYZ color 37.4197, 33.3698, 47.6488 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 37.4197, 33.3698, 47.6488 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 37.4197, 33.3698, 47.6488**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.4197, 33.3698, 47.6488.



This preview shows how white text looks on a background with the XYZ color 37.4197, 33.3698,



# 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

37.4197, 33.3698, 47.6488

### Protanopia

33.2687, 33.5146, 51.7292

### Deuteranopia

34.2259, 33.6142, 47.3321



## Tritanopia

35.4527, 33.4979, 37.8549

# Trichromacy



## Original Color

37.4197, 33.3698, 47.6488

## Protanomaly

34.4163, 33.1710, 49.9361

## Deuteranomaly

35.1915, 33.3922, 47.2384

## Tritanomaly

36.1554, 33.5535, 41.1301

# Monochromacy



## Original Color

37.4197, 33.3698, 47.6488

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

34.8448, 34.5575, 41.3930

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4197, 33.3698, 47.6488 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(181, 145, 180)` looks like.

```
.text, #text, p{  
    color:rgb(181, 145, 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(181, 145, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 145, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4197, 33.3698, 47.6488 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(181, 145, 180) }
```



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

```
.border{ border-color:rgb(181, 145, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 145, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 145, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 145, 180); box-shadow:4px 4px 4px 4px rgb(181, 145, 180) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.4197, 33.3698, 47.6488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 145, 180) }
```

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

```
.background{ background-color: rgb(181,  
145, 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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