

Converting Colors

XYZ(37.8562, 33.1808, 48.0756)

Have a look what the booklet for
XYZ(37.8562, 33.1808, 48.0756)
contains.

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Color

**XYZ(37.9301, 33.1715,
48.1197)**

Conversions

Conversions Part 1

Format	Color
Hex	B88FB5
RGB	184, 143, 181
RGB Percent	72%, 56%, 71%
CMY	0.2784, 0.4392, 0.2902
CMYK	0.00, 0.22, 0.02, 0.28
HSL	304°, 22%, 64%
HSV	304°, 22%, 72%
XYZ	37.9301, 33.1715, 48.1197
YIQ	159.5910, 12.2380, 20.5100

Conversions

Conversions Part 2

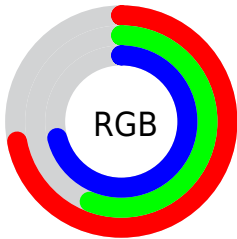
Format	Color
RYB	184, 143, 181
Decimal	12095413
CIELab	64.30, 22.00, -13.89
CIElCh	64, 26.018, 327.723
Yxy	33.1715, 0.3181, 0.2782
Android (android.graphics.Color)	4290285493 (0xFFB88FB5)
YUV	159.5910, 10.5546, 21.4067
Hunter-Lab	57.5947, 16.7639, -9.2198

Details

The XYZ color **37.9301, 33.1715, 48.1197** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.6578, 42.1969, 33.5668**, and the grayscale version is **33.1754, 34.9031, 38.0095**.

A 20% lighter version of the original color is **71.1875, 64.5722, 88.8325**, and **16.9293, 13.9586, 22.2241** is the 20% darker color. If you saturate the color by 10%, you get **35.2541, 28.0389, 46.5497**, and if you desaturate by 10%, it is **41.0625, 39.2136, 49.8492**.

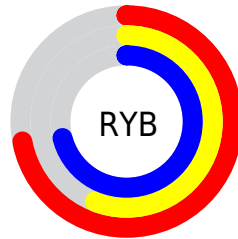
Distribution



Red (72%)

Green (56%)

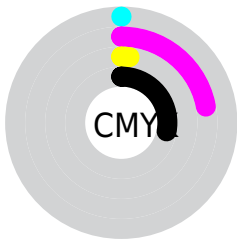
Blue (71%)



Red (72%)

Yellow (56%)

Blue (71%)

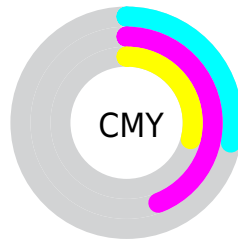


Cyan (0%)

Magenta (22%)

Yellow (2%)

Black (28%)



Cyan (28%)


Magenta (44%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9301, 33.1715, 48.1197 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 37.9301, 33.1715, 48.1197 by changing the saturation by 10% instead.


 37.9301, 33.1715,
48.1197


 37.9301, 33.1715,
48.1197

328.6061,
316.4218, 395.7888

 26.1054, 22.2579,
33.5610


 71.3056, 64.6432,
88.7500

 17.0356, 14.0465,
22.2819


 93.5871, 85.9700,
115.6587

 10.3553, 8.1530,
13.8639


120.0849,
111.5367, 147.5212

 5.6993, 4.1930,
7.8884

151.1644,
141.7277, 184.7559

 2.7020, 1.7821,
3.9369

187.1909,
176.9272, 227.7815

 0.9982, 0.4760,
1.5908

228.5297,

 0.0000, 0.0000,

217.5199, 277.0165

0.2842

275.5464,
263.8899, 332.8794

■ 0.0000, 0.0000,
0.0000

■ 37.9301, 33.1715,
48.1197

■ 37.9301, 33.1715,
48.1197

■ 35.2541, 28.0389,
46.5497

■ 41.0625, 39.2136,
49.8492

■ 33.0094, 23.7674,
45.1296

■ 44.6689, 46.2020,
51.7429

■ 31.1730, 20.3106,
43.8522

■ 48.7695, 54.1768,
53.8080

■ 29.7189, 17.6160,
42.7088

■ 53.3826, 63.1743,
56.0506

■ 28.6176, 15.6249,
41.6895

■ 58.5255, 73.2293,
58.4764

■ 27.8356, 14.2704,
40.7831

■ 64.2146, 84.3746,
61.0910

■ 27.3329, 13.4723,
39.9762

■ 64.8683, 85.4468,
62.0337

■ 27.0739, 13.1131,
39.4009

■ 65.0166, 85.5062,
62.8148

■ 65.1663, 85.5660,
63.6030

Harmonies

Analogous

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



34.9532, 33.1715, 57.3081



37.9301, 33.1715, 48.1197



39.1800, 33.1715, 36.9331

Triad

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



37.9301, 33.1715, 48.1197



31.8118, 33.1715, 19.3530



25.6442, 33.1715, 46.4432

Complementary

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



37.9301, 33.1715, 48.1197



33.6578, 42.1969, 33.5668

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.



24.9443, 33.1715, 35.3153



37.9301, 33.1715, 48.1197



28.3352, 33.1715, 20.9252

Square

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



37.9301, 33.1715, 48.1197



35.4798, 33.1715, 21.4924



25.8911, 33.1715, 26.2990



27.8821, 33.1715, 56.2148

Rectangle

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



37.9301, 33.1715, 48.1197



38.7976, 33.1715, 30.2671



25.8911, 33.1715, 26.2990



25.2293, 33.1715, 42.6784

Sweetspot

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



37.9311, 33.1730, 48.1204



77.7021, 77.4068, 92.0988



30.2824, 29.1939, 49.3869



16.6679, 16.5263, 19.8109



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



37.9311, 33.1730, 48.1204



66.1499, 55.1214, 85.7231



36.0032, 32.4018, 37.9684



9.3518, 9.1511, 11.2000



18.6702, 9.0418, 27.2139



0.6667, 0.3222, 1.0042

Inverse Universe

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



37.9311, 33.1730, 48.1204



66.1499, 55.1214, 85.7231



35.3737, 42.8832, 42.6028



9.3518, 9.1511, 11.2000



18.6702, 9.0418, 27.2139



0.6667, 0.3222, 1.0042

Previews

White Background



This preview shows how the XYZ color 37.9301, 33.1715, 48.1197 looks on a white background.

Color Contrast Check

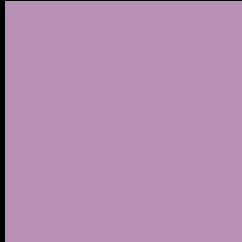
Large Text (above 18pt) WCAG AA × Fail

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 37.9301, 33.1715, 48.1197 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 37.9301, 33.1715, 48.1197

Background



This preview shows how black text looks on a background with the XYZ color 37.9301, 33.1715, 48.1197.



This preview shows how white text looks on a background with the XYZ color 37.9301, 33.1715,

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

37.9301, 33.1715, 48.1197

Protanopia

33.3011, 33.5064, 52.8563

Deuteranopia

33.8621, 33.1847, 47.2684



Tritanopia

35.6613, 33.1598, 36.8687

Trichromacy



Original Color

37.9301, 33.1715, 48.1197

Protanomaly

34.8298, 33.3598, 51.0577

Deuteranomaly

35.3479, 33.2252, 47.7301

Tritanomaly

36.4532, 33.2560, 40.5742

Monochromacy



Original Color

37.9301, 33.1715, 48.1197

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.9857, 34.3734, 41.8366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9301, 33.1715, 48.1197 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, 143, 181)` looks like.

```
.text, #text, p{  
    color:rgb(184, 143, 181)  
}
```

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, 143, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 143, 181) }
```

Border

The CSS property to change the border of an element to XYZ 37.9301, 33.1715, 48.1197 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, 143, 181) }
```


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

```
.border{ border-color:rgb(184, 143, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 143, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 143, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 143, 181);  
box-shadow:4px 4px 4px 4px rgb(184, 143,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9301, 33.1715, 48.1197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 143, 181) }
```

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

```
.background{ background-color: rgb(184,  
143, 181) }
```

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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