

Converting Colors

XYZ(37.2599, 32.4202, 46.8286)

Have a look what the booklet for
XYZ(37.2599, 32.4202, 46.8286)
contains.

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Color

**XYZ(37.1900, 32.3717,
46.9361)**

Conversions

Conversions Part 1

Format	Color
Hex	B78DB3
RGB	183, 141, 179
RGB Percent	72%, 55%, 70%
CMY	0.2823, 0.4470, 0.2980
CMYK	0.00, 0.23, 0.02, 0.28
HSL	306°, 23%, 64%
HSV	306°, 23%, 72%
XYZ	37.1900, 32.3717, 46.9361
YIQ	157.8900, 12.8340, 20.7220

Conversions

Conversions Part 2

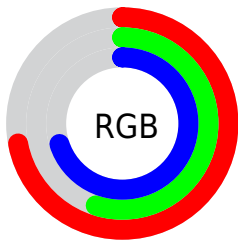
Format	Color
RYB	183, 141, 179
Decimal	12029363
CIELab	63.65, 22.39, -13.76
CIELCh	64, 26.280, 328.436
Yxy	32.3717, 0.3192, 0.2779
Android (android.graphics.Color)	4290219443 (0xFFB78DB3)
YUV	157.8900, 10.4072, 22.0215
Hunter-Lab	56.8961, 17.1078, -9.0836

Details

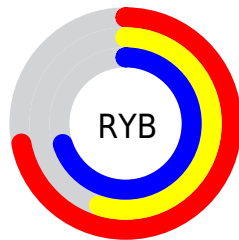
The XYZ color **37.1900, 32.3717, 46.9361** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.0301, 41.5750, 33.0737**, and the grayscale version is **32.4006, 34.0880, 37.1218**.

A 20% lighter version of the original color is **70.1071, 63.3791, 87.1356**, and **16.6280, 13.5645, 21.4805** is the 20% darker color. If you saturate the color by 10%, you get **34.5366, 27.3446, 45.1876**, and if you desaturate by 10%, it is **40.2935, 38.2942, 48.8463**.

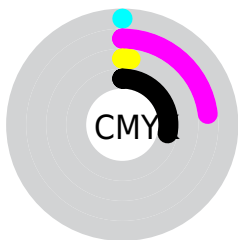
Distribution



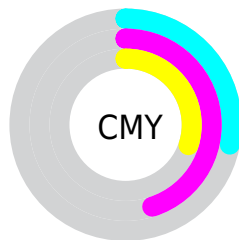
- Red (72%)
- Green (55%)
- Blue (70%)



- Red (72%)
- Yellow (55%)
- Blue (70%)



- Cyan (0%)
- Magenta (23%)
- Yellow (2%)
- Black (28%)





- Cyan (28%)
- Magenta (45%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1900, 32.3717, 46.9361 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 37.1900, 32.3717, 46.9361 by changing the saturation by 10% instead.


 37.1900, 32.3717,
46.9361


 37.1900, 32.3717,
46.9361

325.4737,
312.8090, 390.9458


 25.5290, 21.6456,
32.6312

 70.1768, 63.3933,
86.9672

 16.6024, 13.5967,
21.5752


 92.2334, 84.4576,
113.5305

 10.0450, 7.8407,
13.3498


 118.4858,
109.7368, 145.0169

 5.4913, 3.9932,
7.5363

149.2995,
139.6152, 181.8451

 2.5760, 1.6698,
3.7162

185.0397,
174.4772, 224.4335

 0.9337, 0.4040,
1.4710

226.0719,

 0.0000, 0.0000,

214.7072, 273.2007

0.1962

272.7615,
260.6897, 328.5653

■ 0.0000, 0.0000,
0.0000

■ 37.1900, 32.3717,
46.9361

■ 37.1900, 32.3717,
46.9361

■ 34.5366, 27.3446,
45.1876

■ 40.2935, 38.2942,
48.8463

■ 32.3083, 23.1650,
43.5915

■ 43.8644, 45.1486,
50.9230

■ 30.4825, 19.7867,
42.1404

■ 47.9230, 52.9746,
53.1733

■ 29.0331, 17.1576,
40.8257

■ 52.4872, 61.8082,
55.6033

■ 27.9310, 15.2195,
39.6376

■ 57.5742, 71.6838,
58.2186

■ 27.1426, 13.9055,
38.5648

■ 63.2002, 82.6340,
61.0249

■ 26.6279, 13.1354,
37.5940

■ 64.7150, 85.3579,
62.4720

■ 26.3723, 12.8049,
36.9517

■ 64.9083, 85.4352,
63.4898

■ 65.1038, 85.5135,
64.5198

Harmonies

Analogous

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



34.2571, 32.3717, 56.2040



37.1900, 32.3717, 46.9361



38.3857, 32.3717, 35.8023

Triad

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



37.1900, 32.3717, 46.9361



30.9615, 32.3717, 18.6419



24.9639, 32.3717, 45.7880

Complementary

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



37.1900, 32.3717, 46.9361



33.0301, 41.5750, 33.0737

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.



24.2319, 32.3717, 34.6980



37.1900, 32.3717, 46.9361



27.5249, 32.3717, 20.2794

Square

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



37.1900, 32.3717, 46.9361



34.6170, 32.3717, 20.6638



25.1320, 32.3717, 25.6806



27.2160, 32.3717, 55.4537

Rectangle

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



37.1900, 32.3717, 46.9361



37.9700, 32.3717, 29.2272



25.1320, 32.3717, 25.6806



24.5402, 32.3717, 42.0420

Sweetspot

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



37.1910, 32.3731, 46.9368



75.7906, 75.5368, 89.6143



29.6627, 28.4447, 48.7273



16.6552, 16.5212, 19.7439



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.



37.1910, 32.3731, 46.9368



63.8896, 52.8207, 82.3000



35.2691, 31.6044, 36.8166



9.3431, 9.1476, 11.1539



18.4113, 8.9383, 25.8505



0.6598, 0.3194, 0.9681

Inverse Universe

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



37.1910, 32.3731, 46.9368



63.8896, 52.8207, 82.3000



34.7563, 42.2655, 42.1637



9.3431, 9.1476, 11.1539



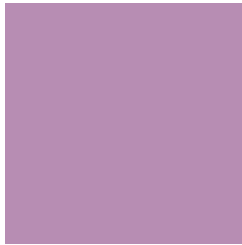
18.4113, 8.9383, 25.8505



0.6598, 0.3194, 0.9681

Previews

White Background



This preview shows how the XYZ color 37.1900, 32.3717, 46.9361 looks on a white background.

Color Contrast Check

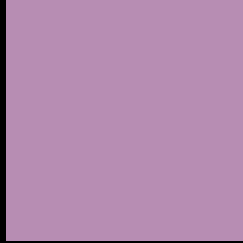
Large Text (above 18pt) WCAG AA × Fail

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 37.1900, 32.3717, 46.9361 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 37.1900, 32.3717, 46.9361

Background



This preview shows how black text looks on a background with the XYZ color 37.1900, 32.3717, 46.9361.



This preview shows how white text looks on a background with the XYZ color 37.1900, 32.3717,

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

37.1900, 32.3717, 46.9361

Protanopia

32.3935, 32.5734, 51.5937

Deuteranopia

33.3005, 32.6785, 46.1474



Tritanopia

34.9485, 32.3544, 35.8555

Trichromacy



Original Color

37.1900, 32.3717, 46.9361

Protanomaly

33.8964, 32.4292, 49.8203

Deuteranomaly

34.6180, 32.4066, 46.5500

Tritanomaly

35.7302, 32.4506, 39.5024

Monochromacy



Original Color

37.1900, 32.3717, 46.9361

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.0475, 33.4251, 40.7336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1900, 32.3717, 46.9361 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(183, 141, 179)` looks like.

```
.text, #text, p{  
    color:rgb(183, 141, 179)  
}
```

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(183, 141, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 141, 179) }
```

Border

The CSS property to change the border of an element to XYZ 37.1900, 32.3717, 46.9361 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(183, 141, 179) }
```


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

```
.border{ border-color:rgb(183, 141, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 141, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 141, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 141, 179); box-shadow:4px 4px 4px 4px rgb(183, 141, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1900, 32.3717, 46.9361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 141, 179) }
```

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

```
.background{ background-color: rgb(183,  
141, 179) }
```

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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