

Converting Colors

XYZ(37.1096, 32.1462, 47.8766)

Have a look what the booklet for
XYZ(37.1096, 32.1462, 47.8766)
contains.

XYZ(37.0100, 32.0374, 47.9493)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.0100, 32.0374,
47.9493)**

Conversions

Conversions Part 1

Format	Color
Hex	B68CB5
RGB	182, 140, 181
RGB Percent	71%, 55%, 71%
CMY	0.2863, 0.4510, 0.2902
CMYK	0.00, 0.23, 0.01, 0.29
HSL	301°, 22%, 63%
HSV	301°, 23%, 71%
XYZ	37.0100, 32.0374, 47.9493
YIQ	157.2320, 11.8710, 21.6550

Conversions

Conversions Part 2

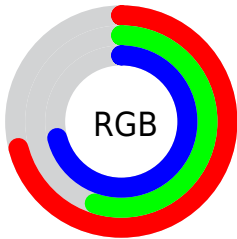
Format	Color
R _Y B	182, 140, 181
Decimal	11963573
CIE Lab	63.37, 22.99, -15.31
CIE LCh	63, 27.619, 326.336
Yxy	32.0374, 0.3163, 0.2738
Android (android.graphics.Color)	4290153653 (0xFFB68CB5)
YUV	157.2320, 11.7176, 21.7215
Hunter-Lab	56.6016, 17.6628, -10.6056

Details

The XYZ color **37.0100, 32.0374, 47.9493** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.3522, 40.9555, 31.4011**, and the grayscale version is **32.0982, 33.7698, 36.7753**.

A 20% lighter version of the original color is **69.8377, 62.8751, 88.5760**, and **16.5219, 13.3704, 22.1320** is the 20% darker color. If you saturate the color by 10%, you get **34.5234, 27.1346, 46.9016**, and if you desaturate by 10%, it is **39.9386, 37.8227, 49.1457**.

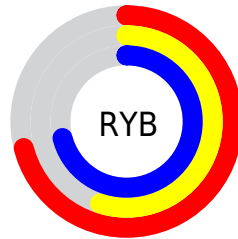
Distribution



Red (71%)

Green (55%)

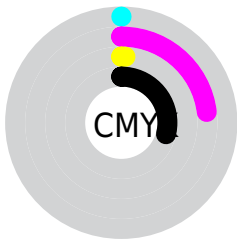
Blue (71%)



Red (71%)

Yellow (55%)

Blue (71%)

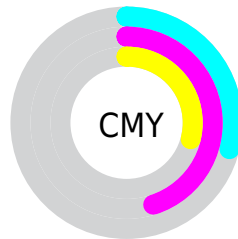


Cyan (0%)

Magenta (23%)

Yellow (1%)

Black (29%)



Cyan (29%)

Magenta (45%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0100, 32.0374, 47.9493 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 37.0100, 32.0374, 47.9493 by changing the saturation by 10% instead.


 37.0100, 32.0374,
47.9493


 37.0100, 32.0374,
47.9493


324.7086,
311.2896, 395.0940


 25.3889, 21.3901,
33.4270


 69.9019, 62.8697,
88.4937

 16.4973, 13.4094,
22.1800


 91.9034, 83.8235,
115.3529

 9.9698, 7.7111,
13.7896

 118.0959,
108.9815, 147.1614

 5.4411, 3.9106,
7.8374

148.8445,
138.7282, 184.3379

 2.5457, 1.6237,
3.9048

184.5148,
173.4480, 227.3009

 0.9184, 0.3735,
1.5733

225.4720,

 0.0000, 0.0000,

213.5252, 276.4689

0.2716

272.0815,
259.3443, 332.2604

■ 0.0000, 0.0000,
0.0000

■ 37.0100, 32.0374,
47.9493

■ 37.0100, 32.0374,
47.9493

■ 34.5234, 27.1346,
46.9016

■ 39.9386, 37.8227,
49.1457

■ 32.4541, 23.0670,
45.9934

■ 43.3263, 44.5266,
50.4955

■ 30.7798, 19.7891,
45.2175

■ 47.1930, 52.1883,
52.0056

■ 29.4747, 17.2493,
44.5653

■ 51.5565, 60.8433,
53.6820

■ 28.5100, 15.3901,
44.0273

■ 56.4338, 70.5256,
55.5303

■ 27.8527, 14.1454,
43.5924

■ 61.8408, 81.2673,
57.5560

■ 27.4631, 13.4360,
43.2475

■ 63.7072, 84.9275,
58.4021

■ 27.2941, 13.1462,
43.0426

■ 63.7528, 84.9457,
58.6419

■ 63.7985, 84.9639,
58.8825

Harmonies

Analogous

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



33.8407, 32.0374, 57.4412



37.0100, 32.0374, 47.9493



38.4188, 32.0374, 36.2506

Triad

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



37.0100, 32.0374, 47.9493



30.9244, 32.0374, 17.7664



24.3081, 32.0374, 45.1166

Complementary

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



37.0100, 32.0374, 47.9493



32.3522, 40.9555, 31.4011

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.



23.6681, 32.0374, 33.5508



37.0100, 32.0374, 47.9493



27.2948, 32.0374, 19.1724

Square

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



37.0100, 32.0374, 47.9493



34.7241, 32.0374, 20.0924



24.7160, 32.0374, 24.4367



26.5429, 32.0374, 55.5794

Rectangle

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



37.0100, 32.0374, 47.9493



38.0898, 32.0374, 29.2738



24.7160, 32.0374, 24.4367



23.9078, 32.0374, 41.1671

Sweetspot

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



37.0110, 32.0388, 47.9500



75.9630, 75.6058, 90.5226



28.7565, 27.7716, 48.1016



16.6964, 16.5377, 19.9612



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.



37.0110, 32.0388, 47.9500



64.5681, 53.0921, 85.8730



35.0421, 31.2512, 37.5819



9.3714, 9.1589, 11.3034



19.2781, 9.2850, 30.4151



0.6825, 0.3285, 1.0877

Inverse Universe

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



37.0110, 32.0388, 47.9500



64.5681, 53.0921, 85.8730



34.0393, 41.6303, 40.2854



9.3714, 9.1589, 11.3034



19.2781, 9.2850, 30.4151



0.6825, 0.3285, 1.0877

Previews

White Background



This preview shows how the XYZ color 37.0100, 32.0374, 47.9493 looks on a white background.

Color Contrast Check

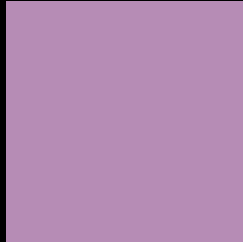
Large Text (above 18pt) WCAG AA × Fail

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 37.0100, 32.0374, 47.9493 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 37.0100, 32.0374, 47.9493

Background



This preview shows how black text looks on a background with the XYZ color 37.0100, 32.0374, 47.9493.



This preview shows how white text looks on a background with the XYZ color 37.0100, 32.0374,

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

37.0100, 32.0374, 47.9493

Protanopia

32.0906, 32.1503, 52.6584

Deuteranopia

32.7533, 32.1353, 47.1243



Tritanopia

34.7166, 32.2348, 35.8447

Trichromacy



Original Color

37.0100, 32.0374, 47.9493

Protanomaly

33.5534, 31.9941, 50.8614

Deuteranomaly

34.0342, 31.8524, 47.5343

Tritanomaly

35.4364, 32.0648, 39.9187

Monochromacy



Original Color

37.0100, 32.0374, 47.9493

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.6754, 32.9934, 40.6699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0100, 32.0374, 47.9493 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(182, 140, 181)` looks like.

```
.text, #text, p{  
    color:rgb(182, 140, 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(182, 140, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 140, 181) }
```

Border

The CSS property to change the border of an element to XYZ 37.0100, 32.0374, 47.9493 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(182, 140, 181) }
```


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

```
.border{ border-color:rgb(182, 140, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 140, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 140, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 140, 181);  
box-shadow:4px 4px 4px 4px rgb(182, 140,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0100, 32.0374, 47.9493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 140, 181) }
```

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

```
.background{ background-color: rgb(182,  
140, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor