

Converting Colors

XYZ(37.5114, 33.0289, 41.8029)

Have a look what the booklet for
XYZ(37.5114, 33.0289, 41.8029)
contains.

XYZ(37.4774, 33.0743, 41.9448)	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(37.4774, 33.0743,
41.9448)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8FA9
RGB	187, 143, 169
RGB Percent	73%, 56%, 66%
CMY	0.2667, 0.4392, 0.3373
CMYK	0.00, 0.24, 0.10, 0.27
HSL	325°, 24%, 65%
HSV	325°, 24%, 73%
XYZ	37.4774, 33.0743, 41.9448
YIQ	159.1200, 17.8780, 17.4140

Conversions

Conversions Part 2

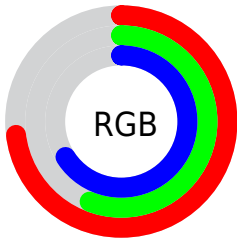
Format	Color
RYB	187, 143, 169
Decimal	12292009
CIELab	64.22, 20.87, -7.21
CIELCh	64, 22.077, 340.932
Yxy	33.0743, 0.3331, 0.2940
Android (android.graphics.Color)	4290482089 (0xFFBB8FA9)
YUV	159.1200, 4.8708, 24.4508
Hunter-Lab	57.5103, 15.6792, -2.9857

Details

The XYZ color **37.4774, 33.0743, 41.9448** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.5324, 43.9544, 40.3315**, and the grayscale version is **32.9830, 34.7007, 37.7891**.

A 20% lighter version of the original color is **70.7290, 64.5474, 79.2521**, and **16.7109, 13.9252, 18.6367** is the 20% darker color. If you saturate the color by 10%, you get **34.2035, 27.6422, 37.4131**, and if you desaturate by 10%, it is **41.2632, 39.4620, 46.8552**.

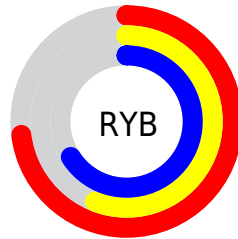
Distribution



Red (73%)

Green (56%)

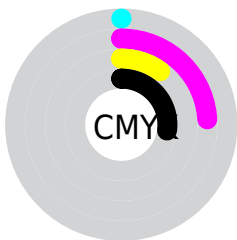
Blue (66%)



Red (73%)

Yellow (56%)

Blue (66%)

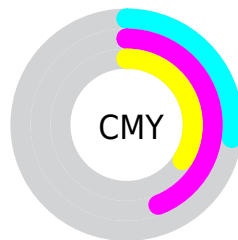


Cyan (0%)

Magenta (24%)

Yellow (10%)

Black (27%)



Cyan (27%)


Magenta (44%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4774, 33.0743, 41.9448 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 37.4774, 33.0743, 41.9448 by changing the saturation by 10% instead.


 37.4774, 33.0743,
41.9448


 37.4774, 33.0743,
41.9448


326.6926,
315.9844, 370.0470

 25.7527, 22.1834,
28.7328

 70.6155, 64.4915,
79.3853

 16.7704, 13.9917,
18.6350


 92.7596, 85.7866,
104.4508

 10.1652, 8.1149,
11.2327


119.1076,
111.3185, 134.3047

 5.5718, 4.1686,
6.1074

150.0247,
141.4716, 169.3653

 2.6246, 1.7683,
2.8407

185.8765,
176.6304, 210.0514

 0.9585, 0.4673,
1.0139

227.0281,

 0.0000, 0.0000,

217.1792, 256.7813

0.0000

273.8450,
263.5024, 309.9736

■ 37.4774, 33.0743,
41.9448

■ 37.4774, 33.0743,
41.9448

■ 34.2035, 27.6422,
37.4131

■ 41.2632, 39.4620,
46.8552

■ 31.4148, 23.1147,
33.2467

■ 45.5802, 46.8444,
52.1532

■ 29.0863, 19.4426,
29.4339

■ 50.4504, 55.2636,
57.8497

■ 27.1896, 16.5704,
25.9616

■ 55.8936, 64.7581,
63.9546

■ 25.6929, 14.4358,
22.8154

■ 61.9283, 75.3644,
70.4773

■ 24.5598, 12.9672,
19.9792

■ 68.5072, 86.9863,
77.4051

■ 23.7467, 12.0785,
17.4345

■ 69.5131, 87.3887,
82.7021

■ 23.3352, 11.7015,
15.9221

■ 70.5656, 87.8096,
88.2444

■ 71.6653, 88.2495,
94.0352

Harmonies

Analogous

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



35.5484, 33.0743, 50.6746



37.4774, 33.0743, 41.9448



37.7265, 33.0743, 32.8399

Triad

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



37.4774, 33.0743, 41.9448



30.3080, 33.0743, 21.5955



27.1030, 33.0743, 48.5330

Complementary

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



37.4774, 33.0743, 41.9448



35.5324, 43.9544, 40.3315

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.



25.8869, 33.0743, 39.3826



37.4774, 33.0743, 41.9448



27.6539, 33.0743, 24.4921

Square

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



37.4774, 33.0743, 41.9448



33.4445, 33.0743, 22.0490



26.0817, 33.0743, 30.6673



29.5098, 33.0743, 54.8932

Rectangle

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



37.4774, 33.0743, 41.9448



36.8891, 33.0743, 27.8556



26.0817, 33.0743, 30.6673



26.5489, 33.0743, 45.6236

Sweetspot

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



37.4784, 33.0758, 41.9455



78.7487, 78.9465, 89.9217



33.4109, 30.7701, 51.1924



17.2378, 17.2072, 19.6753



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



37.4784, 33.0758, 41.9455



64.1226, 54.2367, 71.0422



35.6151, 32.3305, 32.1336



9.7603, 9.6284, 11.1266



16.1146, 8.0770, 11.1629



0.6629, 0.3291, 0.6043

Inverse Universe

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



37.4784, 33.0758, 41.9455



64.1226, 54.2367, 71.0422



37.6047, 44.7833, 51.2445



9.7603, 9.6284, 11.1266



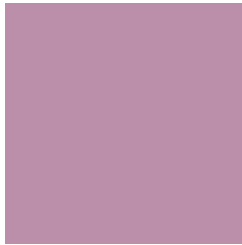
16.1146, 8.0770, 11.1629



0.6629, 0.3291, 0.6043

Previews

White Background



This preview shows how the XYZ color 37.4774, 33.0743, 41.9448 looks on a white background.

Color Contrast Check

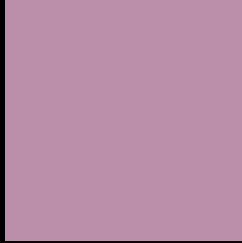
Large Text (above 18pt) WCAG AA × Fail

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 37.4774, 33.0743, 41.9448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

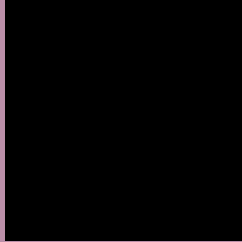
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4774, 33.0743, 41.9448

Background



This preview shows how black text looks on a background with the XYZ color 37.4774, 33.0743, 41.9448.



This preview shows how white text looks on a background with the XYZ color 37.4774, 33.0743,

41.9448.

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

37.4774, 33.0743, 41.9448

Protanopia

32.6947, 33.3496, 45.7882

Deuteranopia

33.7675, 33.0302, 41.1549



Tritanopia

36.1337, 32.9654, 35.9110

Trichromacy



Original Color

37.4774, 33.0743, 41.9448

Protanomaly

34.1265, 33.1497, 44.1350

Deuteranomaly

35.1133, 33.0056, 41.5658

Tritanomaly

36.6560, 32.9588, 38.1479

Monochromacy



Original Color

37.4774, 33.0743, 41.9448

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.3643, 33.8618, 39.3751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4774, 33.0743, 41.9448 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(187, 143, 169)` looks like.

```
.text, #text, p{  
    color:rgb(187, 143, 169)  
}
```

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(187, 143, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 143, 169) }
```

Border

The CSS property to change the border of an element to XYZ 37.4774, 33.0743, 41.9448 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(187, 143, 169) }
```


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

```
.border{ border-color:rgb(187, 143, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 143, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 143, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 143, 169);  
box-shadow:4px 4px 4px 4px rgb(187, 143,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4774, 33.0743, 41.9448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 143, 169) }
```

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

```
.background{ background-color: rgb(187,  
143, 169) }
```

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