

Converting Colors

XYZ(40.3813, 33.7872, 47.5733)

Have a look what the booklet for
XYZ(40.3813, 33.7872, 47.5733)
contains.

XYZ(40.3813, 33.7872, 47.5733)	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(40.3813, 33.7872,
47.5733)**

Conversions

Conversions Part 1

Format	Color
Hex	C48CB4
RGB	196, 140, 180
RGB Percent	77%, 55%, 71%
CMY	0.2314, 0.4510, 0.2941
CMYK	0.00, 0.29, 0.08, 0.23
HSL	317°, 32%, 66%
HSV	317°, 29%, 77%
XYZ	40.3813, 33.7872, 47.5733
YIQ	161.3040, 20.5360, 24.3120

Conversions

Conversions Part 2

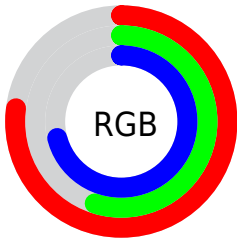
Format	Color
R_{YB}	196, 140, 180
Decimal	12881076
CIE _{Lab}	64.79, 27.63, -12.46
CIE _{LCh}	65, 30.315, 335.724
Yxy	33.7872, 0.3317, 0.2775
Android (android.graphics.Color)	4291071156 (0xFFC48CB4)
YUV	161.3040, 9.2171, 30.4284
Hunter-Lab	58.1268, 22.2841, -7.8366

Details

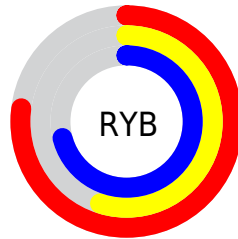
The XYZ color **40.3813, 33.7872, 47.5733** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.5573, 47.4567, 38.6879**, and the grayscale version is **33.9702, 35.7393, 38.9201**.

A 20% lighter version of the original color is **74.9401, 65.5223, 88.0542**, and **18.3876, 14.3398, 21.8774** is the 20% darker color. If you saturate the color by 10%, you get **37.2096, 28.3380, 43.7580**, and if you desaturate by 10%, it is **44.0882, 40.2689, 51.6815**.

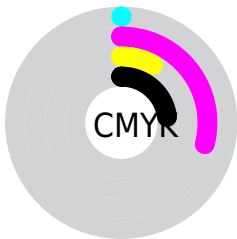
Distribution



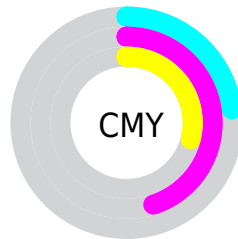
- Red (77%)
- Green (55%)
- Blue (71%)



- Red (77%)
- Yellow (55%)
- Blue (71%)



- Cyan (0%)
- Magenta (29%)
- Yellow (8%)
- Black (23%)




- Cyan (23%)
- Magenta (45%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3813, 33.7872, 47.5733 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 40.3813, 33.7872, 47.5733 by changing the saturation by 10% instead.


 40.3813, 33.7872,
47.5733


 40.3813, 33.7872,
47.5733

338.8350,
319.1821, 393.5581


 28.0215, 22.7302,
33.1315


 75.0244, 65.6026,
87.9277

 18.4824, 14.3944,
21.9553


 98.0385, 87.1298,
114.6773

 11.3987, 8.3955,
13.6260


 125.3347,
112.9158, 146.3667

 6.4049, 4.3490,
7.7253

157.2784,
143.3450, 183.4143

 3.1358, 1.8707,
3.8344

194.2349,
178.8019, 226.2387

 1.2260, 0.5306,
1.5350

236.5696,

 0.1267, 0.0000,

219.6708, 275.2585

0.2438

284.6478,
266.3360, 330.8921

■ 0.0000, 0.0000,
0.0000

■ 40.3813, 33.7872,
47.5733

■ 40.3813, 33.7872,
47.5733

■ 37.2096, 28.3380,
43.7580

■ 44.0882, 40.2689,
51.6815

■ 34.5426, 23.8624,
40.2231

■ 48.3526, 47.8287,
56.0902

■ 32.3516, 20.3027,
36.9578

■ 53.1992, 56.5152,
60.8093

■ 30.6035, 17.5931,
33.9499

■ 58.6502, 66.3724,
65.8474

■ 29.2608, 15.6591,
31.1855

■ 64.7268, 77.4422,
71.2130

■ 28.2793, 14.4130,
28.6483

■ 70.6123, 88.0907,
76.6348

■ 27.5884, 13.7139,
26.3134

■ 71.3383, 88.3812,
80.4582

■ 27.4986, 13.6293,
25.9910

■ 72.0892, 88.6815,
84.4122

■ 72.8652, 88.9919,
88.4982

Harmonies

Analogous

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



37.2635, 33.7872, 59.9356



40.3813, 33.7872, 47.5733



41.2021, 33.7872, 34.4448

Triad

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



40.3813, 33.7872, 47.5733



31.2846, 33.7872, 17.6914



25.7750, 33.7872, 52.6696

Complementary

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



40.3813, 33.7872, 47.5733



36.5573, 47.4567, 38.6879

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.



24.4710, 33.7872, 39.2362



40.3813, 33.7872, 47.5733



27.4617, 33.7872, 20.5316

Square

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



40.3813, 33.7872, 47.5733



35.6866, 33.7872, 18.9503



25.0594, 33.7872, 27.7708



28.7876, 33.7872, 63.3136

Rectangle

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



40.3813, 33.7872, 47.5733



40.2771, 33.7872, 27.3175



25.0594, 33.7872, 27.7708



25.1354, 33.7872, 48.2288

Sweetspot

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



40.3823, 33.7887, 47.5740



87.1227, 85.8062, 101.1376



33.0279, 29.7980, 56.2361



18.3914, 17.9095, 21.3885



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



40.3823, 33.7887, 47.5740



69.6129, 55.1021, 81.9967



37.8227, 32.7649, 34.0954



10.3706, 10.1969, 12.0422



17.7074, 8.7727, 16.9033



0.7935, 0.3904, 0.8802

Inverse Universe

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



40.3823, 33.7887, 47.5740



69.6129, 55.1021, 81.9967



39.1941, 48.5114, 52.5731



10.3706, 10.1969, 12.0422



17.7074, 8.7727, 16.9033



0.7935, 0.3904, 0.8802

Previews

White Background



This preview shows how the XYZ color 40.3813, 33.7872, 47.5733 looks on a white background.

Color Contrast Check

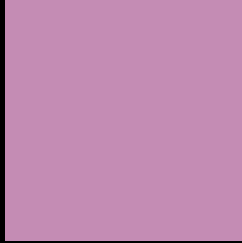
Large Text (above 18pt) WCAG AA × Fail

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 40.3813, 33.7872, 47.5733 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 40.3813, 33.7872, 47.5733

Background



This preview shows how black text looks on a background with the XYZ color 40.3813, 33.7872, 47.5733.



This preview shows how white text looks on a background with the XYZ color 40.3813, 33.7872,

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

40.3813, 33.7872, 47.5733

Protanopia

33.8701, 34.0226, 54.0721

Deuteranopia

34.5314, 33.7833, 46.8203



Tritanopia

37.9663, 33.6843, 35.9532

Trichromacy



Original Color

40.3813, 33.7872, 47.5733

Protanomaly

35.8123, 33.6160, 51.6147

Deuteranomaly

36.4058, 33.5484, 47.2045

Tritanomaly

38.8621, 33.8309, 40.0791

Monochromacy



Original Color

40.3813, 33.7872, 47.5733

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.9147, 34.6083, 41.8329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3813, 33.7872, 47.5733 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(196, 140, 180)` looks like.

```
.text, #text, p{  
    color:rgb(196, 140, 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(196, 140, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 140, 180) }
```

Border

The CSS property to change the border of an element to XYZ 40.3813, 33.7872, 47.5733 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(196, 140, 180) }
```


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

```
.border{ border-color:rgb(196, 140, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 140, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 140, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 140, 180);  
box-shadow:4px 4px 4px 4px rgb(196, 140,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3813, 33.7872, 47.5733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 140, 180) }
```

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

```
.background{ background-color: rgb(196,  
140, 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](#).

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