

Converting Colors

XYZ(40.7403, 31.8001, 48.5006)

Have a look what the booklet for
XYZ(40.7403, 31.8001, 48.5006)
contains.

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Color

**XYZ(40.7833, 31.8992,
48.2636)**

Conversions

Conversions Part 1

Format	Color
Hex	CA82B6
RGB	202, 130, 182
RGB Percent	79%, 51%, 71%
CMY	0.2078, 0.4902, 0.2863
CMYK	0.00, 0.36, 0.10, 0.21
HSL	317°, 40%, 65%
HSV	317°, 36%, 79%
XYZ	40.7833, 31.8992, 48.2636
YIQ	157.4560, 26.2200, 31.4360

Conversions

Conversions Part 2

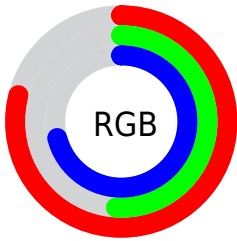
Format	Color
R _{YB}	202, 130, 182
Decimal	13271734
CIE _{Lab}	63.26, 35.49, -15.84
CIE _{LCh}	63, 38.863, 335.949
Yxy	31.8992, 0.3372, 0.2637
Android (android.graphics.Color)	4291461814 (0xFFCA82B6)
YUV	157.4560, 12.1002, 39.0651
Hunter-Lab	56.4794, 30.0545, -11.1298

Details

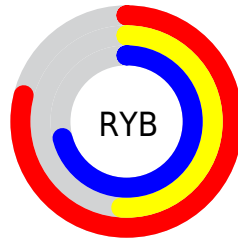
The XYZ color **40.7833, 31.8992, 48.2636** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.8329, 49.1900, 36.4623**, and the grayscale version is **32.1929, 33.8695, 36.8839**.

A 20% lighter version of the original color is **73.8131, 61.7140, 88.9105**, and **18.7911, 13.3800, 22.3611** is the 20% darker color. If you saturate the color by 10%, you get **37.7874, 26.8165, 44.4610**, and if you desaturate by 10%, it is **44.3318, 38.0490, 52.3658**.

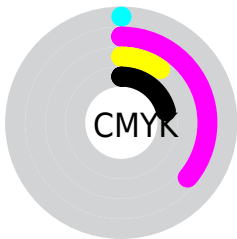
Distribution



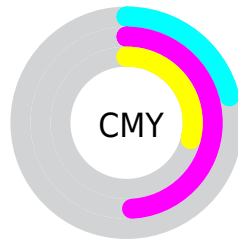
- Red (79%)
- Green (51%)
- Blue (71%)



- Red (79%)
- Yellow (51%)
- Blue (71%)



- Cyan (0%)
- Magenta (36%)
- Yellow (10%)
- Black (21%)





- Cyan (21%)
- Magenta (49%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7833, 31.8992, 48.2636 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 40.7833, 31.8992, 48.2636 by changing the saturation by 10% instead.


 40.7833, 31.8992,
48.2636


 40.7833, 31.8992,
48.2636


340.4922,
310.6598, 396.3748


 28.3367, 21.2845,
33.6742


 75.6316, 62.6530,
88.9664

 18.7214, 13.3321,
22.3681


 98.7641, 83.5610,
115.9168

 11.5719, 7.6577,
13.9267

 126.1892,
108.6688, 147.8248

 6.5230, 3.8767,
7.9316

158.2723,
138.3609, 185.1087

 3.2093, 1.6048,
3.9640

195.3788,
173.0216, 228.1871

 1.2654, 0.3608,
1.6056

237.8741,

 0.1571, 0.0000,

213.0354, 277.4785

0.2948

286.1234,
258.7867, 333.4016

■ 0.0000, 0.0000,
0.0000

■ 40.7833, 31.8992,
48.2636

■ 40.7833, 31.8992,
48.2636

■ 37.7874, 26.8165,
44.4610

■ 44.3318, 38.0490,
52.3658

■ 35.3098, 22.7343,
40.9442

■ 48.4588, 45.3185,
56.7764

■ 33.3172, 19.5855,
37.7010


■ 53.1919, 53.7621,
61.5063


■ 31.7706, 17.2930,
34.7172


■ 58.5561, 63.4296,
66.5651


■ 30.6249, 15.7669,
31.9762


■ 64.5750, 74.3675,
71.9619


 29.8246, 14.8965,
29.4581

 71.2709, 86.6203,
77.7053

 29.5369, 14.6285,
28.4144

 73.2061, 89.3122,
81.9840

 73.9678, 89.6169,
85.9950

 74.7547, 89.9316,
90.1388

Harmonies

Analogous

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



36.8082, 31.8992, 64.6684



40.7833, 31.8992, 48.2636



41.8187, 31.8992, 31.7514

Triad

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



40.7833, 31.8992, 48.2636



29.2595, 31.8992, 12.8103



22.6907, 31.8992, 55.1950

Complementary

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



40.7833, 31.8992, 48.2636



35.8329, 49.1900, 36.4623

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.



21.1485, 31.8992, 37.8953



40.7833, 31.8992, 48.2636



24.6416, 31.8992, 15.8429

Square

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



40.7833, 31.8992, 48.2636



34.7347, 31.8992, 14.0919



21.8182, 31.8992, 24.0015



26.2948, 31.8992, 69.4286

Rectangle

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



40.7833, 31.8992, 48.2636



40.6071, 31.8992, 23.3131



21.8182, 31.8992, 24.0015



21.9347, 31.8992, 49.3795

Sweetspot

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



40.7843, 31.9007, 48.2643



85.5160, 82.8991, 99.6578



31.0757, 26.6396, 59.3820



18.0719, 17.3305, 21.0972



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.



40.7843, 31.9007, 48.2643



64.9468, 47.0291, 76.5597



37.5918, 30.6237, 31.4528



11.5494, 11.3485, 13.4279



19.0458, 9.4289, 18.4917



1.0137, 0.4989, 1.1180

Inverse Universe

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



40.7843, 31.9007, 48.2643



64.9468, 47.0291, 76.5597



39.1058, 50.4991, 53.6970



11.5494, 11.3485, 13.4279



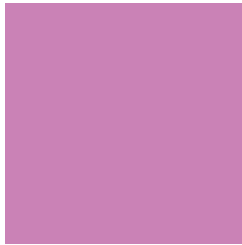
19.0458, 9.4289, 18.4917



1.0137, 0.4989, 1.1180

Previews

White Background



This preview shows how the XYZ color 40.7833, 31.8992, 48.2636 looks on a white background.

Color Contrast Check

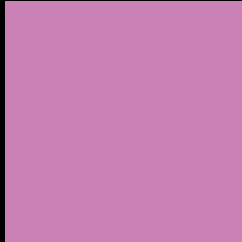
Large Text (above 18pt) WCAG AA × Fail

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 40.7833, 31.8992, 48.2636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

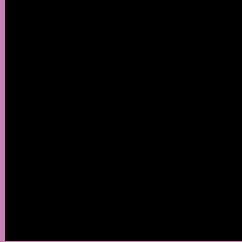
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.7833, 31.8992, 48.2636

Background



This preview shows how black text looks on a background with the XYZ color 40.7833, 31.8992, 48.2636.



This preview shows how white text looks on a background with the XYZ color 40.7833, 31.8992,

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

40.7833, 31.8992, 48.2636

Protanopia

32.4616, 32.2385, 57.3351

Deuteranopia

32.6525, 32.0950, 46.5935



Tritanopia

37.5008, 32.0037, 31.8046

Trichromacy



Original Color

40.7833, 31.8992, 48.2636

Protanomaly

34.7975, 31.6448, 54.1432

Deuteranomaly

35.1927, 31.7838, 46.9279

Tritanomaly

38.4234, 31.7304, 37.3571

Monochromacy



Original Color

40.7833, 31.8992, 48.2636

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.5502, 32.5048, 40.5295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7833, 31.8992, 48.2636 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(202, 130, 182)` looks like.

```
.text, #text, p{  
    color:rgb(202, 130, 182)  
}
```

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(202, 130, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 130, 182) }
```

Border

The CSS property to change the border of an element to XYZ 40.7833, 31.8992, 48.2636 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(202, 130, 182) }
```


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

```
.border{ border-color:rgb(202, 130, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 130, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 130, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 130, 182);  
box-shadow:4px 4px 4px 4px rgb(202, 130,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7833, 31.8992, 48.2636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 130, 182) }
```

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

```
.background{ background-color: rgb(202,  
130, 182) }
```

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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