

Converting Colors

XYZ(38.8798, 32.2051, 48.9946)

Have a look what the booklet for
XYZ(38.8798, 32.2051, 48.9946)
contains.

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Color

**XYZ(38.8373, 32.1036,
48.9494)**

Conversions

Conversions Part 1

Format	Color
Hex	BF88B7
RGB	191, 136, 183
RGB Percent	75%, 53%, 72%
CMY	0.2510, 0.4666, 0.2823
CMYK	0.00, 0.29, 0.04, 0.25
HSL	309°, 30%, 64%
HSV	309°, 29%, 75%
XYZ	38.8373, 32.1036, 48.9494
YIQ	157.8030, 17.6930, 26.2770

Conversions

Conversions Part 2

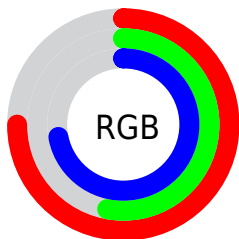
Format	Color
R_{YB}	191, 136, 183
Decimal	12552375
CIE _{Lab}	63.43, 28.66, -16.27
CIE _{LCh}	63, 32.958, 330.426
Yxy	32.1036, 0.3239, 0.2678
Android (android.graphics.Color)	4290742455 (0xFFBF88B7)
YUV	157.8030, 12.4221, 29.1138
Hunter-Lab	56.6600, 23.1967, -11.5594

Details

The XYZ color **38.8373, 32.1036, 48.9494** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.8196, 44.5105, 33.1964**, and the grayscale version is **32.3509, 34.0357, 37.0649**.

A 20% lighter version of the original color is **72.7048, 63.0154, 89.9926**, and **17.5943, 13.4271, 22.7835** is the 20% darker color. If you saturate the color by 10%, you get **36.0972, 27.0812, 46.6235**, and if you desaturate by 10%, it is **42.0644, 38.0898, 51.4665**.

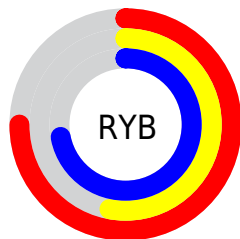
Distribution



Red (75%)

Green (53%)

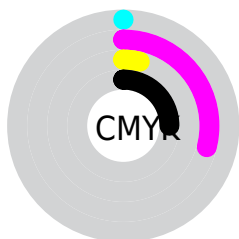
Blue (72%)



Red (75%)

Yellow (53%)

Blue (72%)

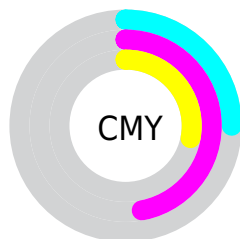


Cyan (0%)

Magenta (29%)

Yellow (4%)

Black (25%)



Cyan (25%)


Magenta (47%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8373, 32.1036, 48.9494 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 38.8373, 32.1036, 48.9494 by changing the saturation by 10% instead.


 38.8373, 32.1036,
48.9494


 38.8373, 32.1036,
48.9494


332.4174,
311.5909, 399.1598


 26.8133, 21.4406,
34.2140


 72.6854, 62.9735,
89.9965

 17.5689, 13.4465,
22.7794


 95.2402, 83.9492,
117.1453

 10.7388, 7.7367,
14.2269


 122.0360,
109.1312, 149.2690

 5.9574, 3.9269,
8.1381

153.4381,
138.9041, 186.7862

 2.8596, 1.6328,
4.0944

189.8120,
173.6520, 230.1153

 1.0800, 0.3795,
1.6773

231.5229,

 0.0083, 0.0000,

213.7596, 279.6749

0.3451

278.9362,
259.6111, 335.8836

■ 0.0000, 0.0000,
0.0000

■ 38.8373, 32.1036,
48.9494

■ 38.8373, 32.1036,
48.9494

■ 36.0972, 27.0812,
46.6235

■ 42.0644, 38.0898,
51.4665

■ 33.8157, 22.9673,
44.4781

■ 45.7992, 45.0827,
54.1808

■ 31.9659, 19.7079,
42.5045

■ 50.0646, 53.1278,
57.1005

■ 30.5169, 17.2411,
40.6922

■ 54.8815, 62.2664,
60.2327

■ 29.4337, 15.4969,
39.0293

■ 60.2695, 72.5378,
63.5840

■ 28.6750, 14.3931,
37.5020

■ 66.2472, 83.9793,
67.1608

■ 28.1715, 13.7907,
36.0869

■ 67.9603, 86.8822,
69.3452

■ 28.1164, 13.7286,
35.9199

■ 68.2933, 87.0154,
71.0988

■ 68.6323, 87.1510,
72.8838

Harmonies

Analogous

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



35.1974, 32.1036, 61.5459



38.8373, 32.1036, 48.9494



40.2010, 32.1036, 34.7680

Triad

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



38.8373, 32.1036, 48.9494



30.4480, 32.1036, 15.3047



23.5281, 32.1036, 49.3574

Complementary

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



38.8373, 32.1036, 48.9494



33.8196, 44.5105, 33.1964

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.



22.5225, 32.1036, 35.1434



38.8373, 32.1036, 48.9494



26.2648, 32.1036, 17.3970

Square

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



38.8373, 32.1036, 48.9494



35.0727, 32.1036, 17.2794



23.4731, 32.1036, 23.9203



26.3676, 32.1036, 61.8199

Rectangle

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



38.8373, 32.1036, 48.9494



39.5391, 32.1036, 26.8665



23.4731, 32.1036, 23.9203



22.9779, 32.1036, 44.5238

Sweetspot

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



38.8383, 32.1050, 48.9501



81.7766, 80.2746, 96.8613



29.5951, 27.2410, 52.9892



17.7291, 17.1988, 21.1080



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



38.8383, 32.1050, 48.9501



66.1475, 51.2340, 84.8155



36.3061, 31.0922, 35.6158



9.8687, 9.6718, 11.6974



18.5005, 9.0314, 23.7271



0.7412, 0.3604, 1.0165

Inverse Universe

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



38.8383, 32.1050, 48.9501



66.1475, 51.2340, 84.8155



36.1202, 45.4308, 45.3113



9.8687, 9.6718, 11.6974



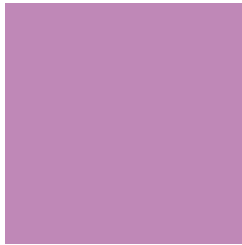
18.5005, 9.0314, 23.7271



0.7412, 0.3604, 1.0165

Previews

White Background



This preview shows how the XYZ color 38.8373, 32.1036, 48.9494 looks on a white background.

Color Contrast Check

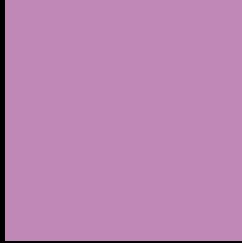
Large Text (above 18pt) WCAG AA × Fail

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 38.8373, 32.1036, 48.9494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

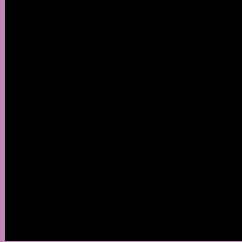
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8373, 32.1036, 48.9494

Background



This preview shows how black text looks on a background with the XYZ color 38.8373, 32.1036, 48.9494.



This preview shows how white text looks on a background with the XYZ color 38.8373, 32.1036,

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

38.8373, 32.1036, 48.9494

Protanopia

32.2935, 32.1912, 55.5504

Deuteranopia

32.8549, 32.1759, 47.6589



Tritanopia

35.9163, 32.2107, 34.4613

Trichromacy



Original Color

38.8373, 32.1036, 48.9494

Protanomaly

34.0704, 31.7491, 53.0477

Deuteranomaly

34.8281, 32.0220, 48.0613

Tritanomaly

36.8180, 32.1279, 39.3827

Monochromacy



Original Color

38.8373, 32.1036, 48.9494

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.4590, 33.1488, 41.1414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8373, 32.1036, 48.9494 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(191, 136, 183)` looks like.

```
.text, #text, p{  
    color:rgb(191, 136, 183)  
}
```

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(191, 136, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 136, 183) }
```

Border

The CSS property to change the border of an element to XYZ 38.8373, 32.1036, 48.9494 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(191, 136, 183) }
```


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

```
.border{ border-color:rgb(191, 136, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 136, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 136, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 136, 183);  
box-shadow:4px 4px 4px 4px rgb(191, 136,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8373, 32.1036, 48.9494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 136, 183) }
```

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

```
.background{ background-color: rgb(191,  
136, 183) }
```

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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