

Converting Colors

XYZ(38.4983, 33.5121, 46.0348)

Have a look what the booklet for
XYZ(38.4983, 33.5121, 46.0348)
contains.

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Color

**XYZ(38.4973, 33.5106,
46.0341)**

Conversions

Conversions Part 1

Format	Color
Hex	BC8FB1
RGB	188, 143, 177
RGB Percent	74%, 56%, 69%
CMY	0.2627, 0.4392, 0.3059
CMYK	0.00, 0.24, 0.06, 0.26
HSL	315°, 25%, 65%
HSV	315°, 24%, 74%
XYZ	38.4973, 33.5106, 46.0341
YIQ	160.3310, 15.9060, 20.1140

Conversions

Conversions Part 2

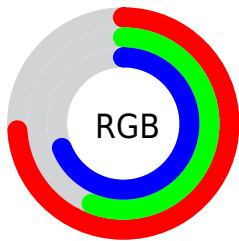
Format	Color
R_{YB}	188, 143, 177
Decimal	12357553
CIE _{Lab}	64.57, 22.65, -11.19
CIE _{LCh}	65, 25.262, 333.707
Yxy	33.5106, 0.3261, 0.2839
Android (android.graphics.Color)	4290547633 (0xFFBC8FB1)
YUV	160.3310, 8.2178, 24.2657
Hunter-Lab	57.8883, 17.4027, -6.6269

Details

The XYZ color **38.4973, 33.5106, 46.0341** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.1450, 44.1401, 37.2414**, and the grayscale version is **33.5252, 35.2712, 38.4103**.

A 20% lighter version of the original color is **72.3304, 65.2282, 85.8689**, and **17.2968, 14.1779, 20.8937** is the 20% darker color. If you saturate the color by 10%, you get **35.4579, 28.1522, 42.7990**, and if you desaturate by 10%, it is **42.0271, 39.8241, 49.5096**.

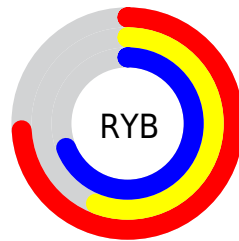
Distribution



Red (74%)

Green (56%)

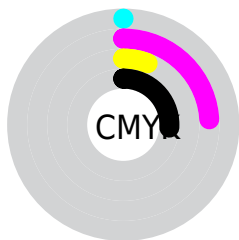
Blue (69%)



Red (74%)

Yellow (56%)

Blue (69%)

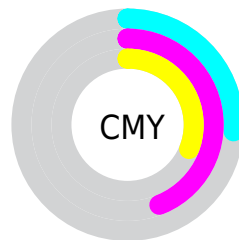


Cyan (0%)

Magenta (24%)

Yellow (6%)

Black (26%)



Cyan (26%)


Magenta (44%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4973, 33.5106, 46.0341 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 38.4973, 33.5106, 46.0341 by changing the saturation by 10% instead.


 38.4973, 33.5106,
46.0341


 38.4973, 33.5106,
46.0341

330.9926,
317.9443, 387.2273

 26.5478, 22.5179,
31.9239

 72.1687, 65.1719,
85.6048

 17.3688, 14.2379,
21.0390


 94.6214, 86.6092,
111.9025

 10.5947, 8.2863,
12.9610


121.3059,
112.2969, 143.0996

 5.8603, 4.2787,
7.2713

152.5875,
142.6194, 179.6148

 2.8002, 1.8307,
3.5513

188.8316,
177.9609, 221.8667

 1.0490, 0.5062,
1.3826

230.4036,

 0.0000, 0.0000,

218.7060, 270.2737

0.1281

277.6688,
265.2390, 325.2544

■ 0.0000, 0.0000,
0.0000

■ 38.4973, 33.5106,
46.0341

■ 38.4973, 33.5106,
46.0341

■ 35.4579, 28.1522,
42.7990

■ 42.0271, 39.8241,
49.5096

■ 32.8822, 23.6972,
39.7934

■ 46.0663, 47.1320,
53.2314

■ 30.7455, 20.0959,
37.0088

■ 50.6367, 55.4771,
57.2078

■ 29.0194, 17.2920,
34.4350

■ 55.7577, 64.8981,
61.4460

■ 27.6722, 15.2222,
32.0607

■ 61.4480, 75.4319,
65.9530

■ 26.6675, 13.8139,
29.8728

■ 67.4677, 86.5989,
70.6495

■ 25.9613, 12.9793,
27.8559

■ 68.0293, 86.8235,
73.6069

■ 25.6249, 12.6457,
26.6976

■ 68.6074, 87.0547,
76.6509

■ 69.2020, 87.2926,
79.7821

Harmonies

Analogous

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



35.8657, 33.5106, 55.6777



38.4973, 33.5106, 46.0341



39.3023, 33.5106, 35.2156

Triad

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



38.4973, 33.5106, 46.0341



31.4036, 33.5106, 20.0102



26.4117, 33.5106, 48.6859

Complementary

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



38.4973, 33.5106, 46.0341



35.1450, 44.1401, 37.2414

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.



25.4062, 33.5106, 37.7894



38.4973, 33.5106, 46.0341



28.1474, 33.5106, 22.3070

Square

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



38.4973, 33.5106, 46.0341



35.0299, 33.5106, 21.3928



26.0171, 33.5106, 28.3611



28.8702, 33.5106, 57.4009

Rectangle

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



38.4973, 33.5106, 46.0341



38.6480, 33.5106, 29.0552



26.0171, 33.5106, 28.3611



25.9014, 33.5106, 45.0898

Sweetspot

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



38.4983, 33.5121, 46.0348



81.0566, 81.0063, 94.2783



32.1325, 30.0985, 51.6936



17.3348, 17.2460, 20.1864



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.



38.4983, 33.5121, 46.0348



66.6121, 55.1451, 80.1286



36.4791, 32.7044, 35.4018



9.8275, 9.6553, 11.4809



17.4771, 8.6220, 18.3378



0.7090, 0.3475, 0.8466

Inverse Universe

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



38.4983, 33.5121, 46.0348



66.6121, 55.1451, 80.1286



37.1485, 44.9416, 47.7919



9.8275, 9.6553, 11.4809



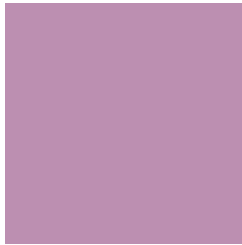
17.4771, 8.6220, 18.3378



0.7090, 0.3475, 0.8466

Previews

White Background



This preview shows how the XYZ color 38.4973, 33.5106, 46.0341 looks on a white background.

Color Contrast Check

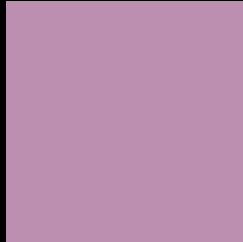
Large Text (above 18pt) WCAG AA × Fail

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 38.4973, 33.5106, 46.0341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

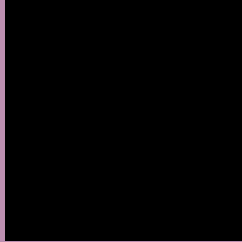
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4973, 33.5106, 46.0341

Background



This preview shows how black text looks on a background with the XYZ color 38.4973, 33.5106, 46.0341.



This preview shows how white text looks on a background with the XYZ color 38.4973, 33.5106,

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

38.4973, 33.5106, 46.0341

Protanopia

33.4079, 33.8590, 50.6736

Deuteranopia

34.4389, 33.7701, 45.2606



Tritanopia

36.4580, 33.3407, 36.8616

Trichromacy



Original Color

38.4973, 33.5106, 46.0341

Protanomaly

34.8199, 33.4031, 48.8682

Deuteranomaly

35.8175, 33.5137, 45.6553

Tritanomaly

37.1666, 33.4065, 40.0865

Monochromacy



Original Color

38.4973, 33.5106, 46.0341

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

35.0161, 34.4104, 40.8727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4973, 33.5106, 46.0341 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(188, 143, 177)` looks like.

```
.text, #text, p{  
    color:rgb(188, 143, 177)  
}
```

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(188, 143, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 143, 177) }
```

Border

The CSS property to change the border of an element to XYZ 38.4973, 33.5106, 46.0341 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(188, 143, 177) }
```


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

```
.border{ border-color:rgb(188, 143, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 143, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 143, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 143, 177);  
box-shadow:4px 4px 4px 4px rgb(188, 143,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4973, 33.5106, 46.0341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 143, 177) }
```

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

```
.background{ background-color: rgb(188,  
143, 177) }
```

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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