

# Converting Colors

XYZ(38.8070, 32.0509, 48.6089)

Have a look what the booklet for  
XYZ(38.8070, 32.0509, 48.6089)  
contains.

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# Color

**XYZ(38.7335, 32.0621,  
48.4031)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF88B6
RGB	191, 136, 182
RGB Percent	75%, 53%, 71%
CMY	0.2510, 0.4666, 0.2863
CMYK	0.00, 0.29, 0.05, 0.25
HSL	310°, 30%, 64%
HSV	310°, 29%, 75%
XYZ	38.7335, 32.0621, 48.4031
YIQ	157.6890, 18.0140, 25.9660

# Conversions

## Conversions Part 2

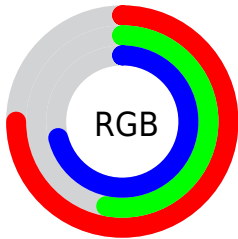
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 136, 182
Decimal	12552374
CIE <sub>Lab</sub>	63.39, 28.48, -15.75
CIE <sub>LCh</sub>	63, 32.547, 331.052
Yxy	32.0621, 0.3249, 0.2690
Android (android.graphics.Color)	4290742454 (0xFFBF88B6)
YUV	157.6890, 11.9853, 29.2137
Hunter-Lab	56.6234, 23.0128, -11.0462

# Details

The XYZ color **38.7335, 32.0621, 48.4031** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.8963, 44.5411, 33.6007**, and the grayscale version is **32.3012, 33.9834, 37.0079**.

A 20% lighter version of the original color is **72.5575, 62.9564, 89.2165**, and **17.5275, 13.4003, 22.4316** is the 20% darker color. If you saturate the color by 10%, you get **35.9603, 27.0264, 45.9030**, and if you desaturate by 10%, it is **41.9952, 38.0622, 51.1024**.

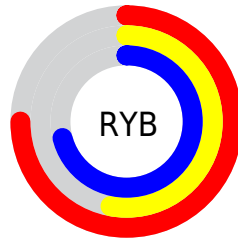
# Distribution



Red (75%)

Green (53%)

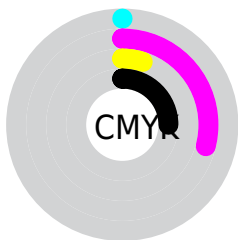
Blue (71%)



Red (75%)

Yellow (53%)

Blue (71%)

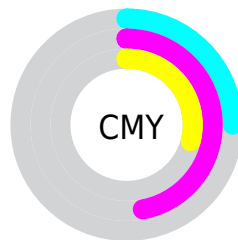


Cyan (0%)

Magenta (29%)

Yellow (5%)

Black (25%)



Cyan (25%)

Magenta (47%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7335, 32.0621, 48.4031 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 38.7335, 32.0621, 48.4031 by changing the saturation by 10% instead.





 38.7335, 32.0621,  
48.4031


 38.7335, 32.0621,  
48.4031

331.9828,  
311.4020, 396.9424


 26.7323, 21.4089,  
33.7840


 72.5277, 62.9084,  
89.1761

 17.5078, 13.4232,  
22.4517

 95.0514, 83.8704,  
116.1670

 10.6947, 7.7206,  
13.9877


 121.8132,  
109.0374, 148.1189

 5.9277, 3.9167,  
7.9734

153.1786,  
138.7938, 185.4503

 2.8414, 1.6271,  
3.9904

189.5129,  
173.5241, 228.5799

 1.0705, 0.3758,  
1.6201

231.1815,

 0.0002, 0.0000,

213.6127, 277.9260

0.3051

278.5497,  
259.4438, 333.9074

■ 0.0000, 0.0000,  
0.0000

■ 38.7335, 32.0621,  
48.4031

■ 38.7335, 32.0621,  
48.4031

■ 35.9603, 27.0264,  
45.9030

■ 41.9952, 38.0622,  
51.1024

■ 33.6472, 22.9000,  
43.5912

■ 45.7661, 45.0695,  
54.0068

■ 31.7672, 19.6285,  
41.4589

■ 50.0692, 53.1296,  
57.1247

■ 30.2896, 17.1502,  
39.4956

■ 54.9252, 62.2839,  
60.4632

■ 29.1791, 15.3951,  
37.6894

■ 60.3539, 72.5716,  
64.0290

■ 28.3947, 14.2810,  
36.0262

■ 66.3739, 84.0299,  
67.8285

■ 27.8668, 13.6688,  
34.4828

■ 68.1309, 86.9504,  
70.2441

■ 27.8089, 13.6056,  
34.3008

■ 68.5094, 87.1018,  
72.2372

■ 68.8954, 87.2562,  
74.2701

# Harmonies

## Analogous

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



35.1827, 32.0621, 60.8839



38.7335, 32.0621, 48.4031



40.0204, 32.0621, 34.4548

# Triad

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



38.7335, 32.0621, 48.4031



30.3146, 32.0621, 15.4625



23.6156, 32.0621, 49.3948

# Complementary

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



38.7335, 32.0621, 48.4031



33.8963, 44.5411, 33.6007

# 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.



22.5810, 32.0621, 35.3695



38.7335, 32.0621, 48.4031



26.2054, 32.0621, 17.6274

# Square

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



38.7335, 32.0621, 48.4031



34.8792, 32.0621, 17.3390



23.4811, 32.0621, 24.1914



26.4564, 32.0621, 61.5490



# Rectangle

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



38.7335, 32.0621, 48.4031



39.3302, 32.0621, 26.7072



23.4811, 32.0621, 24.1914



23.0584, 32.0621, 44.6412

# Sweetspot

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



38.7345, 32.0635, 48.4038



81.7151, 80.2500, 96.5378



29.7549, 27.3234, 52.9965



17.7135, 17.1926, 21.0257



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.



38.7345, 32.0635, 48.4038



65.9214, 51.1435, 83.6248



36.2286, 31.0612, 35.2079



9.8611, 9.6687, 11.6574



18.3007, 8.9514, 22.6746



0.7350, 0.3579, 0.9839



# Inverse Universe

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



38.7345, 32.0635, 48.4038



65.9214, 51.1435, 83.6248



36.2077, 45.4657, 45.7725



9.8611, 9.6687, 11.6574



18.3007, 8.9514, 22.6746

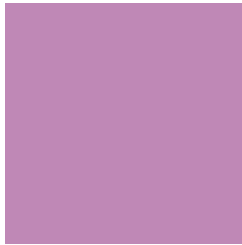


0.7350, 0.3579, 0.9839



# Previews

## White Background



This preview shows how the XYZ color 38.7335, 32.0621, 48.4031 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

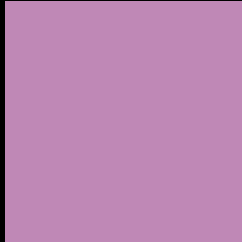
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.7335, 32.0621, 48.4031 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

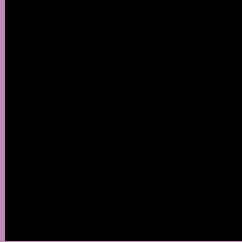
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.7335, 32.0621, 48.4031**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.7335, 32.0621, 48.4031.



This preview shows how white text looks on a background with the XYZ color 38.7335, 32.0621,



# 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

38.7335, 32.0621, 48.4031

### Protanopia

32.3555, 32.2360, 54.9689

### Deuteranopia

32.7533, 32.1353, 47.1243



## Tritanopia

35.6859, 31.8815, 33.9787

# Trichromacy



## Original Color

38.7335, 32.0621, 48.4031

## Protanomaly

34.1621, 31.8090, 52.4833

## Deuteranomaly

34.7258, 31.9811, 47.5227

## Tritanomaly

36.5825, 31.8009, 38.8604

# Monochromacy



## Original Color

38.7335, 32.0621, 48.4031

## 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 38.7335, 32.0621, 48.4031 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(191, 136, 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(191, 136, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 136, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 38.7335, 32.0621, 48.4031 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, 182) }
```



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

```
.border{ border-color:rgb(191, 136, 182) }
```

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, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 136, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 136, 182);  
box-shadow:4px 4px 4px 4px rgb(191, 136,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.7335, 32.0621, 48.4031 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, 182) }
```

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

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