

# Converting Colors

XYZ(38.0696, 33.2948, 48.5180)

Have a look what the booklet for  
XYZ(38.0696, 33.2948, 48.5180)  
contains.

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# Color

**XYZ(38.0331, 33.2127,  
48.6621)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B88FB6
RGB	184, 143, 182
RGB Percent	72%, 56%, 71%
CMY	0.2784, 0.4392, 0.2863
CMYK	0.00, 0.22, 0.01, 0.28
HSL	303°, 22%, 64%
HSV	303°, 22%, 72%
XYZ	38.0331, 33.2127, 48.6621
YIQ	159.7050, 11.9170, 20.8210

# Conversions

## Conversions Part 2

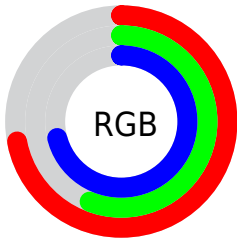
Format	Color
<a href="#">RYB</a>	<a href="#">184, 143, 182</a>
Decimal	<a href="#">12095414</a>
CIELab	<a href="#">64.33, 22.19, -14.41</a>
CIElCh	<a href="#">64, 26.454, 327.003</a>
Yxy	<a href="#">33.2127, 0.3172, 0.2770</a>
Android (android.graphics.Color)	<a href="#">4290285494</a> ( <a href="#">0xFFB88FB6</a> )
YUV	<a href="#">159.7050, 10.9914, 21.3067</a>
Hunter-Lab	<a href="#">57.6305, 16.9474, -9.7221</a>

# Details

The XYZ color **38.0331, 33.2127, 48.6621** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.5803, 42.1659, 33.1588**, and the grayscale version is **33.2259, 34.9563, 38.0674**.

A 20% lighter version of the original color is **71.3340, 64.6308, 89.6042**, and **16.9955, 13.9851, 22.5725** is the 20% darker color. If you saturate the color by 10%, you get **35.4021, 28.0981, 47.3292**, and if you desaturate by 10%, it is **41.1198, 39.2365, 50.1506**.

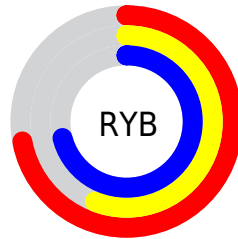
# Distribution



Red (72%)

Green (56%)

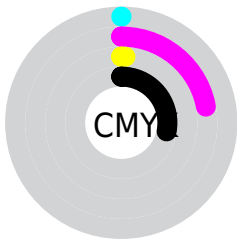
Blue (71%)



Red (72%)

Yellow (56%)

Blue (71%)

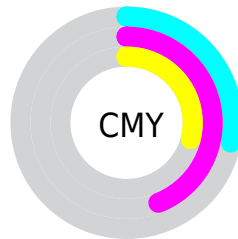


Cyan (0%)

Magenta (22%)

Yellow (1%)

Black (28%)



Cyan (28%)

Magenta (44%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0331, 33.2127, 48.6621 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 38.0331, 33.2127, 48.6621 by changing the saturation by 10% instead.





 38.0331, 33.2127,  
48.6621

 38.0331, 33.2127,  
48.6621

329.0403,  
316.6071, 397.9947

 26.1857, 22.2894,  
33.9878


 71.4624, 64.7075,  
89.5652

 17.0960, 14.0697,  
22.6069


 93.7751, 86.0478,  
116.6310

 10.3987, 8.1692,  
14.1010


120.3069,  
111.6292, 148.6645

 5.7284, 4.2034,  
8.0514

151.4232,  
141.8361, 186.0841

 2.7197, 1.7880,  
4.0396

187.4893,  
177.0530, 229.3084

 1.0073, 0.4797,  
1.6471

228.8706,

 0.0000, 0.0000,

217.6642, 278.7559

0.3241

275.9325,  
264.0541, 334.8452

■ 0.0000, 0.0000,  
0.0000

■ 38.0331, 33.2127,  
48.6621

■ 38.0331, 33.2127,  
48.6621

■ 35.4021, 28.0981,  
47.3292

■ 41.1198, 39.2365,  
50.1506

■ 33.2017, 23.8444,  
46.1424

■ 44.6796, 46.2063,  
51.7993

■ 31.4089, 20.4049,  
45.0944

■ 48.7330, 54.1622,  
53.6155

■ 29.9976, 17.7274,  
44.1764

■ 53.2981, 63.1405,  
55.6053

■ 28.9384, 15.7533,  
43.3788

■ 58.3922, 73.1760,  
57.7743

■ 28.1978, 14.4153,  
42.6902

■ 64.0318, 84.3015,  
60.1282

■ 27.7357, 13.6335,  
42.0974

■ 64.6352, 85.3536,  
60.8062

■ 27.5076, 13.2866,  
41.6847

■ 64.7325, 85.3925,  
61.3186

■ 64.8304, 85.4317,  
61.8341

# Harmonies

## Analogous

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



34.9681, 33.2127, 57.9454



38.0331, 33.2127, 48.6621



39.3584, 33.2127, 37.2571

# Triad

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



38.0331, 33.2127, 48.6621



31.9474, 33.2127, 19.1659



25.5500, 33.2127, 46.4109

# Complementary

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



38.0331, 33.2127, 48.6621



33.5803, 42.1659, 33.1588

# 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.



24.8795, 33.2127, 35.0905



38.0331, 33.2127, 48.6621



28.3952, 33.2127, 20.6643

# Square

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



38.0331, 33.2127, 48.6621



35.6742, 33.2127, 21.4192



25.8799, 33.2127, 26.0114



27.7891, 33.2127, 56.4748



# Rectangle

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



38.0331, 33.2127, 48.6621



39.0045, 33.2127, 30.4356



25.8799, 33.2127, 26.0114



25.1418, 33.2127, 42.5673

# Sweetspot

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



38.0341, 33.2142, 48.6628



77.7625, 77.4309, 92.4167



30.0415, 29.0697, 49.3756



16.6820, 16.5319, 19.8851



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



38.0341, 33.2142, 48.6628



66.3790, 55.2131, 86.9295



36.1242, 32.4502, 38.6055



9.3615, 9.1550, 11.2510



18.9656, 9.1600, 28.7694



0.6744, 0.3252, 1.0449



# Inverse Universe

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



38.0341, 33.2142, 48.6628



66.3790, 55.2131, 86.9295



35.2488, 42.8333, 41.9448



9.3615, 9.1550, 11.2510



18.9656, 9.1600, 28.7694



0.6744, 0.3252, 1.0449



# Previews

## White Background



This preview shows how the XYZ color 38.0331, 33.2127, 48.6621 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

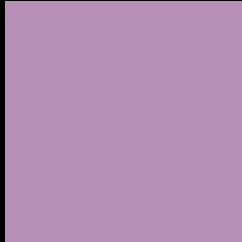
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.0331, 33.2127, 48.6621 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

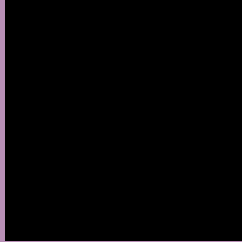
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.0331, 33.2127, 48.6621**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.0331, 33.2127, 48.6621.



This preview shows how white text looks on a background with the XYZ color 38.0331, 33.2127,



# 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

38.0331, 33.2127, 48.6621

### Protanopia

33.2284, 33.4563, 53.4216

### Deuteranopia

33.9637, 33.2253, 47.8031



## Tritanopia

35.7478, 33.1944, 37.3239

# Trichromacy



## Original Color

38.0331, 33.2127, 48.6621

## Protanomaly

34.7342, 33.2981, 51.6102

## Deuteranomaly

35.4501, 33.2661, 48.2686

## Tritanomaly

36.5453, 33.2929, 41.0592

# Monochromacy



## Original Color

38.0331, 33.2127, 48.6621

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

34.9857, 34.3734, 41.8366

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.0331, 33.2127, 48.6621 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(184, 143, 182)` looks like.

```
.text, #text, p{  
    color:rgb(184, 143, 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(184, 143, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 143, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 38.0331, 33.2127, 48.6621 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(184, 143, 182) }
```



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

```
.border{ border-color:rgb(184, 143, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 143, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 143, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 143, 182);  
box-shadow:4px 4px 4px 4px rgb(184, 143,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.0331, 33.2127, 48.6621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 143, 182) }
```

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

```
.background{ background-color: rgb(184,  
143, 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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