

# Converting Colors

XYZ(38.0100, 33.1051, 42.9147)

Have a look what the booklet for  
XYZ(38.0100, 33.1051, 42.9147)  
contains.

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# Color

**XYZ(38.0100, 33.1051,  
42.9147)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD8EAB
RGB	189, 142, 171
RGB Percent	74%, 56%, 67%
CMY	0.2588, 0.4431, 0.3294
CMYK	0.00, 0.25, 0.10, 0.26
HSL	323°, 26%, 65%
HSV	323°, 25%, 74%
XYZ	38.0100, 33.1051, 42.9147
YIQ	159.3590, 18.7030, 18.9830

# Conversions

## Conversions Part 2

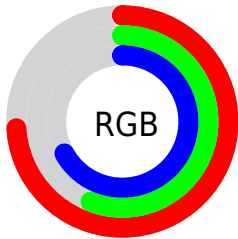
Format	Color
<a href="#">RYB</a>	<a href="#">189, 142, 171</a>
Decimal	<a href="#">12422827</a>
CIELab	<a href="#">64.25, 22.49, -8.28</a>
CIELCh	<a href="#">64, 23.964, 339.780</a>
Yxy	<a href="#">33.1051, 0.3333, 0.2903</a>
Android (android.graphics.Color)	<a href="#">4290612907 (0xFFBD8EAB)</a>
YUV	<a href="#">159.3590, 5.7390, 25.9952</a>
Hunter-Lab	<a href="#">57.5370, 17.2305, -3.9463</a>

# Details

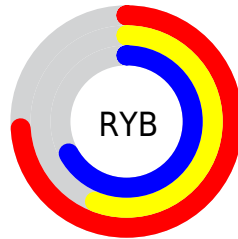
The XYZ color **38.0100, 33.1051, 42.9147** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.6995, 44.6850, 40.0033**, and the grayscale version is **33.0883, 34.8115, 37.9097**.

A 20% lighter version of the original color is **71.4734, 64.5637, 80.6465**, and **17.0625, 13.9650, 19.2490** is the 20% darker color. If you saturate the color by 10%, you get **34.7618, 27.6825, 38.5205**, and if you desaturate by 10%, it is **41.7747, 39.4993, 47.6682**.

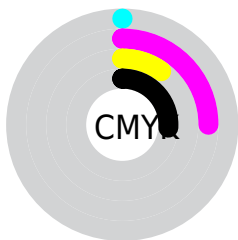
# Distribution



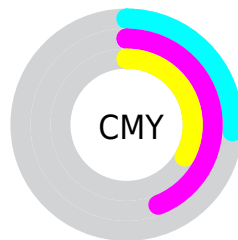
- Red (74%)
- Green (56%)
- Blue (67%)



- Red (74%)
- Yellow (56%)
- Blue (67%)



- Cyan (0%)
- Magenta (25%)
- Yellow (10%)
- Black (26%)




- Cyan (26%)
- Magenta (44%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0100, 33.1051, 42.9147 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 38.0100, 33.1051, 42.9147 by changing the saturation by 10% instead.





 38.0100, 33.1051,  
42.9147


 38.0100, 33.1051,  
42.9147

328.9430,  
316.1231, 374.1718


 26.1677, 22.2070,  
29.4873


 71.4273, 64.5396,  
80.8671

 17.0825, 14.0091,  
19.2010


 93.7329, 85.8447,  
106.2292

 10.3890, 8.1270,  
11.6373


 120.2571,  
111.3877, 136.4065

 5.7219, 4.1763,  
6.3777

151.3652,  
141.5528, 171.8177

 2.7157, 1.7727,  
3.0036

187.4224,  
176.7245, 212.8813

 1.0053, 0.4700,  
1.0965

228.7942,

 0.0000, 0.0000,

217.2872, 260.0158

0.0000

275.8460,  
263.6252, 313.6398

■ 38.0100, 33.1051,  
42.9147

■ 38.0100, 33.1051,  
42.9147

■ 34.7618, 27.6825,  
38.5205

■ 41.7747, 39.4993,  
47.6682

■ 32.0026, 23.1788,  
34.4725

■ 46.0760, 46.9057,  
52.7896

■ 29.7066, 19.5430,  
30.7594

■ 50.9362, 55.3677,  
58.2895

■ 27.8443, 16.7171,  
27.3683

■ 56.3758, 64.9252,  
64.1774

■ 26.3829, 14.6363,  
24.2849

■ 62.4140, 75.6156,  
70.4625

■ 25.2841, 13.2255,  
21.4934

■ 68.9397, 87.2162,  
77.1104

■ 24.5020, 12.3937,  
18.9749

■ 69.8876, 87.5954,  
82.1019

■ 24.1747, 12.0942,  
17.7706

■ 70.8771, 87.9912,  
87.3127

■ 71.9088, 88.4039,  
92.7456

# Harmonies

## Analogous

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



35.8382, 33.1051, 52.4411



38.0100, 33.1051, 42.9147



38.3604, 33.1051, 32.9569

# Triad

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



38.0100, 33.1051, 42.9147



30.3675, 33.1051, 20.5592



26.7022, 33.1051, 49.4073

# Complementary

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



38.0100, 33.1051, 42.9147



35.6995, 44.6850, 40.0033

# 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.



25.4505, 33.1051, 39.3220



38.0100, 33.1051, 42.9147



27.4636, 33.1051, 23.4826

# Square

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



38.0100, 33.1051, 42.9147



33.7804, 33.1051, 21.1719



25.7188, 33.1051, 29.9520



29.2587, 33.1051, 56.6330



# Rectangle

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



38.0100, 33.1051, 42.9147



37.4899, 33.1051, 27.5205



25.7188, 33.1051, 29.9520



26.1236, 33.1051, 46.1718

# Sweetspot

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



38.0110, 33.1066, 42.9154



80.7049, 80.8656, 92.4265



33.2041, 30.4166, 52.2657



17.2530, 17.2133, 19.7558



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.



38.0110, 33.1066, 42.9154



64.6992, 53.6312, 72.3640



36.0269, 32.3130, 32.4676



9.7709, 9.6326, 11.1823



16.3035, 8.1525, 12.1576



0.6696, 0.3317, 0.6395



# Inverse Universe

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



38.0110, 33.1066, 42.9154



64.6992, 53.6312, 72.3640



37.8736, 45.5547, 51.4520



9.7709, 9.6326, 11.1823



16.3035, 8.1525, 12.1576



0.6696, 0.3317, 0.6395



# Previews

## White Background



This preview shows how the XYZ color 38.0100, 33.1051, 42.9147 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

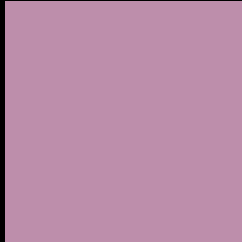
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.0100, 33.1051, 42.9147 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

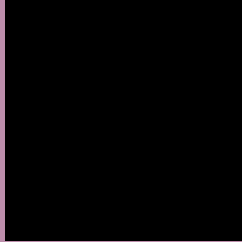
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 38.0100, 33.1051, 42.9147

## Background



This preview shows how black text looks on a background with the XYZ color 38.0100, 33.1051, 42.9147.



This preview shows how white text looks on a background with the XYZ color 38.0100, 33.1051,



# 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

38.0100, 33.1051, 42.9147

### Protanopia

32.8069, 33.3728, 47.3603

### Deuteranopia

33.9067, 33.3204, 42.1805



## Tritanopia

36.6197, 33.2159, 35.9337

# Trichromacy



## Original Color

38.0100, 33.1051, 42.9147

## Protanomaly

34.2599, 32.9466, 45.6279

## Deuteranomaly

35.3012, 33.0808, 42.5549

## Tritanomaly

37.1453, 33.2111, 38.1708

# Monochromacy



## Original Color

38.0100, 33.1051, 42.9147

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

34.5797, 33.9729, 39.3852

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.0100, 33.1051, 42.9147 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(189, 142, 171)` looks like.

```
.text, #text, p{  
    color:rgb(189, 142, 171)  
}
```

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(189, 142, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 142, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 38.0100, 33.1051, 42.9147 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(189, 142, 171) }
```



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

```
.border{ border-color:rgb(189, 142, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 142, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 142, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 142, 171);  
box-shadow:4px 4px 4px 4px rgb(189, 142,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.0100, 33.1051, 42.9147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 142, 171) }
```

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

```
.background{ background-color: rgb(189,  
142, 171) }
```

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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