

Converting Colors

XYZ(38.2109, 33.5152, 43.3178)

Have a look what the booklet for
XYZ(38.2109, 33.5152, 43.3178)
contains.

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Color

**XYZ(38.2551, 33.4423,
43.4685)**

Conversions

Conversions Part 1

Format	Color
Hex	BD8FAC
RGB	189, 143, 172
RGB Percent	74%, 56%, 67%
CMY	0.2588, 0.4392, 0.3255
CMYK	0.00, 0.24, 0.09, 0.26
HSL	322°, 26%, 65%
HSV	322°, 24%, 74%
XYZ	38.2551, 33.4423, 43.4685
YIQ	160.0600, 18.1070, 18.7710

Conversions

Conversions Part 2

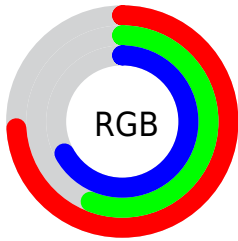
Format	Color
R_{YB}	189, 143, 172
Decimal	12423084
CIE _{Lab}	64.52, 22.11, -8.44
CIE _{LCh}	65, 23.664, 339.098
Yxy	33.4423, 0.3322, 0.2904
Android (android.graphics.Color)	4290613164 (0xFFBD8FAC)
YUV	160.0600, 5.8864, 25.3804
Hunter-Lab	57.8293, 16.8795, -4.0859

Details

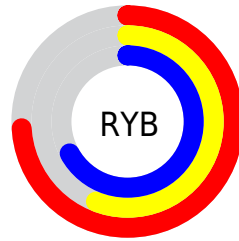
The XYZ color **38.2551, 33.4423, 43.4685** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.8718, 44.7738, 40.0112**, and the grayscale version is **33.4100, 35.1499, 38.2782**.

A 20% lighter version of the original color is **71.8374, 65.0714, 81.4468**, and **17.2090, 14.1613, 19.5957** is the 20% darker color. If you saturate the color by 10%, you get **35.0002, 27.9776, 39.1603**, and if you desaturate by 10%, it is **42.0253, 39.8801, 48.1232**.

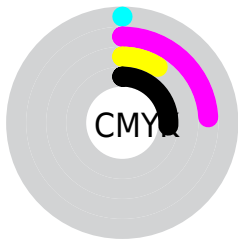
Distribution



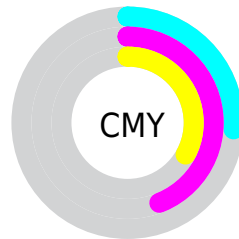
- Red (74%)
- Green (56%)
- Blue (67%)



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



- Cyan (0%)
- Magenta (24%)
- Yellow (9%)
- Black (26%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2551, 33.4423, 43.4685 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 38.2551, 33.4423, 43.4685 by changing the saturation by 10% instead.


 38.2551, 33.4423,
43.4685


 38.2551, 33.4423,
43.4685


329.9750,
317.6381, 376.5126

 26.3589, 22.4655,
29.9188


 71.8004, 65.0655,
81.7113

 17.2264, 14.1993,
19.5254


 94.1801, 86.4806,
107.2414

 10.4923, 8.2594,
11.8699


120.7850,
112.1440, 137.6021

 5.7913, 4.2614,
6.5337

151.9804,
142.4400, 173.2119

 2.7581, 1.8208,
3.0982

188.1318,
177.7530, 214.4893

 1.0272, 0.5001,
1.1450

229.6045,

 0.0000, 0.0000,

218.4674, 261.8528

0.0000

276.7637,
264.9676, 315.7211

■ 38.2551, 33.4423,
43.4685

■ 38.2551, 33.4423,
43.4685

■ 35.0002, 27.9776,
39.1603

■ 42.0253, 39.8801,
48.1232

■ 32.2330, 23.4334,
35.1857

■ 46.3305, 47.3312,
53.1325

■ 29.9282, 19.7590,
31.5339

■ 51.1932, 55.8392,
58.5067

■ 28.0563, 16.8969,
28.1922

■ 56.6336, 65.4434,
64.2551

■ 26.5848, 14.7826,
25.1471

■ 62.6707, 76.1815,
70.3864

■ 25.4760, 13.3416,
22.3830

■ 68.8729, 87.1895,
76.7592

■ 24.6844, 12.4842,
19.8817

■ 69.7840, 87.5539,
81.5570

■ 24.3251, 12.1544,
18.5633

■ 70.7338, 87.9339,
86.5587

■ 71.7229, 88.3295,
91.7669

Harmonies

Analogous

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



36.0652, 33.4423, 52.8601



38.2551, 33.4423, 43.4685



38.6480, 33.4423, 33.5471

Triad

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



38.2551, 33.4423, 43.4685



30.7688, 33.4423, 20.9474



27.0023, 33.4423, 49.4641

Complementary

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



38.2551, 33.4423, 43.4685



35.8718, 44.7738, 40.0112

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.



25.7883, 33.4423, 39.4376



38.2551, 33.4423, 43.4685



27.8592, 33.4423, 23.7893

Square

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



38.2551, 33.4423, 43.4685



34.1624, 33.4423, 21.6404



26.0905, 33.4423, 30.1655



29.5222, 33.4423, 56.7259

Rectangle

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



38.2551, 33.4423, 43.4685



37.8124, 33.4423, 28.0873



26.0905, 33.4423, 30.1655



26.4364, 33.4423, 46.2400

Sweetspot

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



38.2561, 33.4438, 43.4692



80.7388, 80.8791, 92.6047



33.4797, 30.7806, 52.3212



17.2609, 17.2165, 19.7972



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.



38.2561, 33.4438, 43.4692



65.4140, 54.6659, 73.8198



36.2454, 32.6395, 32.8810



9.7763, 9.6348, 11.2110



16.4044, 8.1929, 12.6892



0.6731, 0.3331, 0.6580

Inverse Universe

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



38.2561, 33.4438, 43.4692



65.4140, 54.6659, 73.8198



38.0597, 45.6490, 51.5329



9.7763, 9.6348, 11.2110



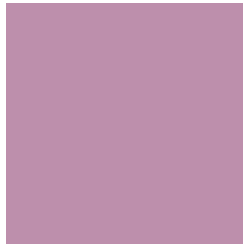
16.4044, 8.1929, 12.6892



0.6731, 0.3331, 0.6580

Previews

White Background



This preview shows how the XYZ color 38.2551, 33.4423, 43.4685 looks on a white background.

Color Contrast Check

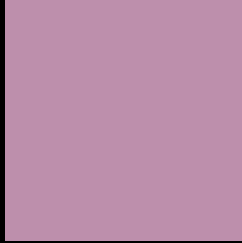
Large Text (above 18pt) WCAG AA × Fail

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 38.2551, 33.4423, 43.4685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

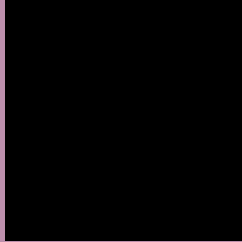
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2551, 33.4423, 43.4685

Background



This preview shows how black text looks on a background with the XYZ color 38.2551, 33.4423, 43.4685.



This preview shows how white text looks on a background with the XYZ color 38.2551, 33.4423,

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

38.2551, 33.4423, 43.4685

Protanopia

33.2636, 33.8445, 47.9595

Deuteranopia

34.2098, 33.4657, 42.6867



Tritanopia

36.8582, 33.5569, 36.4328

Trichromacy



Original Color

38.2551, 33.4423, 43.4685

Protanomaly

34.7283, 33.4145, 46.2142

Deuteranomaly

35.5537, 33.4338, 43.1076

Tritanomaly

37.3860, 33.5508, 38.6879

Monochromacy



Original Color

38.2551, 33.4423, 43.4685

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

35.0510, 34.4495, 39.9240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2551, 33.4423, 43.4685 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, 143, 172)` looks like.

```
.text, #text, p{  
    color:rgb(189, 143, 172)  
}
```

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, 143, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 143, 172) }
```

Border

The CSS property to change the border of an element to XYZ 38.2551, 33.4423, 43.4685 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, 143, 172) }
```


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

```
.border{ border-color:rgb(189, 143, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 143, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 143, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 143, 172);  
box-shadow:4px 4px 4px 4px rgb(189, 143,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2551, 33.4423, 43.4685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 143, 172) }
```

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

```
.background{ background-color: rgb(189,  
143, 172) }
```

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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