

Converting Colors

XYZ(37.9825, 33.2972, 42.4403)

Have a look what the booklet for
XYZ(37.9825, 33.2972, 42.4403)
contains.

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Color

**XYZ(38.0644, 33.3660,
42.4643)**

Conversions

Conversions Part 1

Format	Color
Hex	BD8FAA
RGB	189, 143, 170
RGB Percent	74%, 56%, 67%
CMY	0.2588, 0.4392, 0.3333
CMYK	0.00, 0.24, 0.10, 0.26
HSL	325°, 26%, 65%
HSV	325°, 24%, 74%
XYZ	38.0644, 33.3660, 42.4643
YIQ	159.8320, 18.7490, 18.1490

Conversions

Conversions Part 2

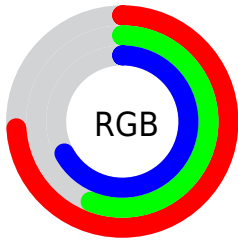
Format	Color
R_{YB}	189, 143, 170
Decimal	12423082
CIE _{Lab}	64.46, 21.76, -7.41
CIE _{LCh}	64, 22.982, 341.203
Yxy	33.3660, 0.3342, 0.2930
Android (android.graphics.Color)	4290613162 (0xFFBD8FAA)
YUV	159.8320, 5.0128, 25.5803
Hunter-Lab	57.7633, 16.5407, -3.1523

Details

The XYZ color **38.0644, 33.3660, 42.4643** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **36.0482, 44.8443, 40.9403**, and the grayscale version is **33.3087, 35.0433, 38.1622**.

A 20% lighter version of the original color is **71.5629, 64.9616, 80.0012**, and **17.0888, 14.1132, 18.9630** is the 20% darker color. If you saturate the color by 10%, you get **34.7460, 27.8759, 37.8221**, and if you desaturate by 10%, it is **41.9066, 39.8326, 47.4983**.

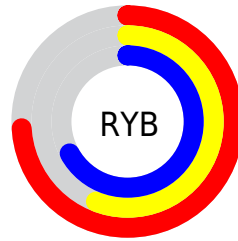
Distribution



Red (74%)

Green (56%)

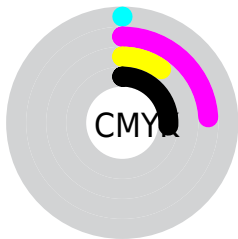
Blue (67%)



Red (74%)

Yellow (56%)

Blue (67%)

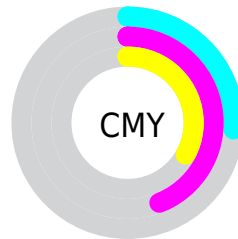


Cyan (0%)

Magenta (24%)

Yellow (10%)

Black (26%)



Cyan (26%)


Magenta (44%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0644, 33.3660, 42.4643 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 38.0644, 33.3660, 42.4643 by changing the saturation by 10% instead.


 38.0644, 33.3660,
42.4643


 38.0644, 33.3660,
42.4643


329.1722,
317.2957, 372.2603

 26.2101, 22.4070,
29.1367


 71.5101, 64.9465,
80.1795

 17.1144, 14.1562,
18.9378


 93.8322, 86.3368,
105.4042

 10.4119, 8.2294,
11.4490


120.3743,
111.9730, 135.4318

 5.7373, 4.2421,
6.2517

151.5018,
142.2394, 170.6806

 2.7251, 1.8099,
2.9275

187.5800,
177.5205, 211.5694

 1.0101, 0.4933,
1.0577

228.9742,

 0.0000, 0.0000,

218.2007, 258.5165

0.0000

276.0498,
264.6643, 311.9407

■ 38.0644, 33.3660,
42.4643

■ 38.0644, 33.3660,
42.4643

■ 34.7460, 27.8759,
37.8221

■ 41.9066, 39.8326,
47.4983

■ 31.9239, 23.3097,
33.5577

■ 46.2927, 47.3161,
52.9332

■ 29.5721, 19.6166,
29.6589

■ 51.2452, 55.8599,
58.7805

■ 27.6613, 16.7389,
26.1121

■ 56.7846, 65.5038,
65.0505

■ 26.1585, 14.6120,
22.9022

■ 62.9302, 76.2853,
71.7530

■ 25.0258, 13.1616,
20.0124

■ 69.2505, 87.3405,
78.7475

■ 24.2175, 12.2974,
17.4231

■ 70.2894, 87.7561,
84.2185

■ 23.8518, 11.9651,
16.0710

■ 71.3771, 88.1912,
89.9459

■ 72.5140, 88.6459,
95.9330

Harmonies

Analogous

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



36.0506, 33.3660, 51.6795



38.0644, 33.3660, 42.4643



38.3090, 33.3660, 32.9334

Triad

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



38.0644, 33.3660, 42.4643



30.5041, 33.3660, 21.3397



27.2022, 33.3660, 49.5700

Complementary

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



38.0644, 33.3660, 42.4643



36.0482, 44.8443, 40.9403

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.



25.9219, 33.3660, 39.9523



38.0644, 33.3660, 42.4643



27.7388, 33.3660, 24.3673

Square

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



38.0644, 33.3660, 42.4643



33.7886, 33.3660, 21.7768



26.1113, 33.3660, 30.8167



29.7249, 33.3660, 56.2451

Rectangle

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



38.0644, 33.3660, 42.4643



37.4177, 33.3660, 27.7550



26.1113, 33.3660, 30.8167



26.6204, 33.3660, 46.5107

Sweetspot

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



38.0654, 33.3675, 42.4650



80.6292, 80.8353, 92.0278



33.7878, 30.9394, 52.3356



17.2355, 17.2063, 19.6632



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.



38.0654, 33.3675, 42.4650



65.0123, 54.5053, 71.7046



36.1236, 32.5908, 32.2397



9.7587, 9.6278, 11.1182



16.0869, 8.0659, 11.0170



0.6620, 0.3287, 0.5991

Inverse Universe

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



38.0654, 33.3675, 42.4650



65.0123, 54.5053, 71.7046



38.2201, 45.7131, 52.3773



9.7587, 9.6278, 11.1182



16.0869, 8.0659, 11.0170



0.6620, 0.3287, 0.5991

Previews

White Background



This preview shows how the XYZ color 38.0644, 33.3660, 42.4643 looks on a white background.

Color Contrast Check

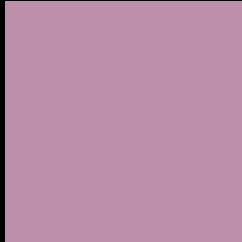
Large Text (above 18pt) WCAG AA × Fail

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 38.0644, 33.3660, 42.4643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

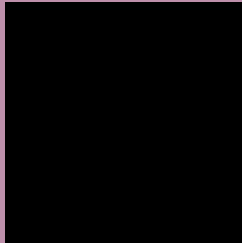
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0644, 33.3660, 42.4643

Background



This preview shows how black text looks on a background with the XYZ color 38.0644, 33.3660, 42.4643.



This preview shows how white text looks on a background with the XYZ color 38.0644, 33.3660,

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

38.0644, 33.3660, 42.4643

Protanopia

32.8941, 33.4293, 46.8383

Deuteranopia

34.0220, 33.3906, 41.6977



Tritanopia

36.7047, 33.2499, 36.3816

Trichromacy



Original Color

38.0644, 33.3660, 42.4643

Protanomaly

34.5304, 33.3354, 45.1719

Deuteranomaly

35.3644, 33.3581, 42.1110

Tritanomaly

37.2339, 33.2465, 38.6372

Monochromacy



Original Color

38.0644, 33.3660, 42.4643

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 38.0644, 33.3660, 42.4643 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(189, 143, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 143, 170) }
```

Border

The CSS property to change the border of an element to XYZ 38.0644, 33.3660, 42.4643 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, 170) }
```


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

```
.border{ border-color:rgb(189, 143, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 143, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 143, 170);  
box-shadow:4px 4px 4px 4px rgb(189, 143,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0644, 33.3660, 42.4643 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, 170) }
```

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

```
.background{ background-color: rgb(189,  
143, 170) }
```

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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