

Converting Colors

XYZ(38.0899, 33.5038, 43.4761)

Have a look what the booklet for
XYZ(38.0899, 33.5038, 43.4761)
contains.

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Color

**XYZ(38.1587, 33.6164,
43.5072)**

Conversions

Conversions Part 1

Format	Color
Hex	BC90AC
RGB	188, 144, 172
RGB Percent	74%, 56%, 67%
CMY	0.2627, 0.4353, 0.3255
CMYK	0.00, 0.23, 0.09, 0.26
HSL	322°, 25%, 65%
HSV	322°, 23%, 74%
XYZ	38.1587, 33.6164, 43.5072
YIQ	160.3480, 17.2360, 18.0360

Conversions

Conversions Part 2

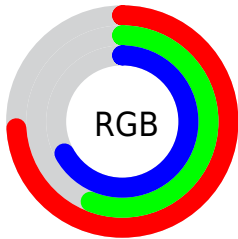
Format	Color
R _Y B	188, 144, 172
Decimal	12357804
CIE Lab	64.66, 21.20, -8.25
CIE LCh	65, 22.743, 338.742
Yxy	33.6164, 0.3310, 0.2916
Android (android.graphics.Color)	4290547884 (0xFFBC90AC)
YUV	160.3480, 5.7444, 24.2508
Hunter-Lab	57.9797, 16.0135, -3.9047

Details

The XYZ color **38.1587, 33.6164, 43.5072** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.8313, 44.4348, 39.9479**, and the grayscale version is **33.5437, 35.2906, 38.4314**.

A 20% lighter version of the original color is **71.7154, 65.3467, 81.5064**, and **17.1360, 14.2531, 19.6173** is the 20% darker color. If you saturate the color by 10%, you get **34.9053, 28.1331, 39.2662**, and if you desaturate by 10%, it is **41.9221, 40.0646, 48.0856**.

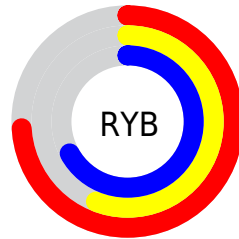
Distribution



Red (74%)

Green (56%)

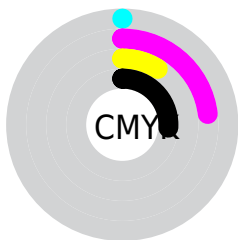
Blue (67%)



Red (74%)

Yellow (56%)

Blue (67%)

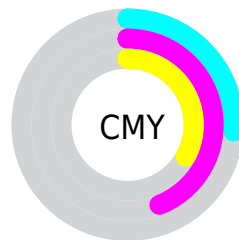


Cyan (0%)

Magenta (23%)

Yellow (9%)

Black (26%)



Cyan (26%)


Magenta (44%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1587, 33.6164, 43.5072 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 38.1587, 33.6164, 43.5072 by changing the saturation by 10% instead.


 38.1587, 33.6164,
43.5072


 38.1587, 33.6164,
43.5072


329.5694,
318.4182, 376.6758

 26.2837, 22.5991,
29.9489


 71.6536, 65.3367,
81.7702

 17.1698, 14.2977,
19.5481


 94.0043, 86.8084,
107.3121

 10.4517, 8.3280,
11.8862


120.5775,
112.5338, 137.6855

 5.7640, 4.3056,
6.5446

151.7386,
142.8971, 173.3091

 2.7414, 1.8459,
3.1049

187.8530,
178.2828, 214.6014

 1.0185, 0.5156,
1.1484

229.2860,

 0.0000, 0.0000,

219.0753, 261.9809

0.0000

276.4030,
265.6590, 315.8662

■ 38.1587, 33.6164,
43.5072

■ 38.1587, 33.6164,
43.5072

■ 34.9053, 28.1331,
39.2662

■ 41.9221, 40.0646,
48.0856

■ 32.1348, 23.5629,
35.3500

■ 46.2147, 47.5170,
53.0093

■ 29.8224, 19.8564,
31.7482

■ 51.0586, 56.0162,
58.2881

■ 27.9395, 16.9573,
28.4487

■ 56.4736, 65.6011,
63.9311

■ 26.4542, 14.8027,
25.4381

■ 62.4784, 76.3086,
69.9469

■ 25.3300, 13.3203,
22.7015

■ 68.5124, 87.0167,
76.1507

■ 24.5228, 12.4232,
20.2215

■ 69.3989, 87.3714,
80.8192

■ 24.1072, 12.0386,
18.7055

■ 70.3225, 87.7408,
85.6827

■ 71.2836, 88.1252,
90.7436

Harmonies

Analogous

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



36.0384, 33.6164, 52.4720



38.1587, 33.6164, 43.5072



38.5583, 33.6164, 33.9404

Triad

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



38.1587, 33.6164, 43.5072



31.0078, 33.6164, 21.5675



27.3059, 33.6164, 49.0305

Complementary

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



38.1587, 33.6164, 43.5072



35.8313, 44.4348, 39.9479

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.



26.1459, 33.6164, 39.4004



38.1587, 33.6164, 43.5072



28.1857, 33.6164, 24.3065

Square

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



38.1587, 33.6164, 43.5072



34.2792, 33.6164, 22.2876



26.4566, 33.6164, 30.4700



29.7314, 33.6164, 56.0192

Rectangle

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



38.1587, 33.6164, 43.5072



37.7706, 33.6164, 28.6283



26.4566, 33.6164, 30.4700



26.7628, 33.6164, 45.9350

Sweetspot

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



38.1597, 33.6179, 43.5079



80.7538, 80.8851, 92.6836



33.4293, 30.9909, 51.7975



17.2644, 17.2179, 19.8156



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.



38.1597, 33.6179, 43.5079



66.0635, 55.6883, 74.8890



36.2670, 32.8608, 33.5410



9.7787, 9.6358, 11.2237



16.4499, 8.2111, 12.9285



0.6747, 0.3338, 0.6663

Inverse Universe

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



38.1597, 33.6179, 43.5079



66.0635, 55.6883, 74.8890



37.8675, 45.2493, 50.6705



9.7787, 9.6358, 11.2237



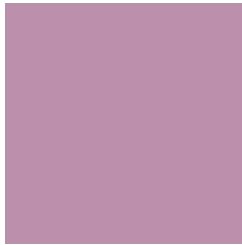
16.4499, 8.2111, 12.9285



0.6747, 0.3338, 0.6663

Previews

White Background



This preview shows how the XYZ color 38.1587, 33.6164, 43.5072 looks on a white background.

Color Contrast Check

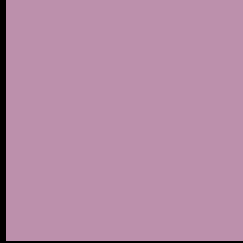
Large Text (above 18pt) WCAG AA × Fail

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 38.1587, 33.6164, 43.5072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

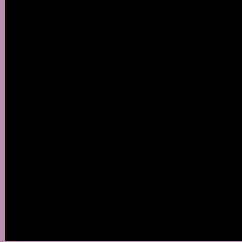
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1587, 33.6164, 43.5072

Background



This preview shows how black text looks on a background with the XYZ color 38.1587, 33.6164, 43.5072.



This preview shows how white text looks on a background with the XYZ color 38.1587, 33.6164,

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

38.1587, 33.6164, 43.5072

Protanopia

33.2636, 33.8445, 47.9595

Deuteranopia

34.3728, 33.7917, 42.7410



Tritanopia

36.7001, 33.4655, 36.8729

Trichromacy



Original Color

38.1587, 33.6164, 43.5072

Protanomaly

34.8899, 33.7378, 46.2681

Deuteranomaly

35.7126, 33.7516, 43.1605

Tritanomaly

37.2298, 33.4599, 39.1465

Monochromacy



Original Color

38.1587, 33.6164, 43.5072

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.8340, 34.3376, 39.9138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1587, 33.6164, 43.5072 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(188, 144, 172)` looks like.

```
.text, #text, p{  
    color:rgb(188, 144, 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(188, 144, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 144, 172) }
```

Border

The CSS property to change the border of an element to XYZ 38.1587, 33.6164, 43.5072 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(188, 144, 172) }
```


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

```
.border{ border-color:rgb(188, 144, 172) }
```

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

Here you see how a box with a 4 pixel rgb(188, 144, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 144, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 144, 172);  
box-shadow:4px 4px 4px 4px rgb(188, 144,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1587, 33.6164, 43.5072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 144, 172) }
```

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

```
.background{ background-color: rgb(188,  
144, 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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