

Converting Colors

XYZ(38.8939, 33.6539, 48.8813)

Have a look what the booklet for
XYZ(38.8939, 33.6539, 48.8813)
contains.

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Color

**XYZ(38.7595, 33.5871,
48.6961)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8FB6
RGB	187, 143, 182
RGB Percent	73%, 56%, 71%
CMY	0.2667, 0.4392, 0.2863
CMYK	0.00, 0.24, 0.03, 0.27
HSL	307°, 24%, 65%
HSV	307°, 24%, 73%
XYZ	38.7595, 33.5871, 48.6961
YIQ	160.6020, 13.7050, 21.4570

Conversions

Conversions Part 2

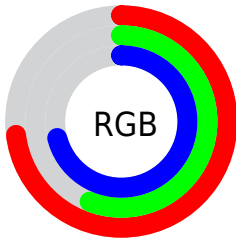
Format	Color
RYB	187, 143, 182
Decimal	12292022
CIELab	64.63, 23.22, -13.92
CIElCh	65, 27.077, 329.053
Yxy	33.5871, 0.3202, 0.2775
Android (android.graphics.Color)	4290482102 (0xFFBB8FB6)
YUV	160.6020, 10.5492, 23.1510
Hunter-Lab	57.9544, 17.9594, -9.2503

Details

The XYZ color **38.7595, 33.5871, 48.6961** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.4447, 43.5195, 34.6035**, and the grayscale version is **33.6408, 35.3927, 38.5427**.

A 20% lighter version of the original color is **72.7071, 65.3386, 89.6685**, and **17.4625, 14.2258, 22.5944** is the 20% darker color. If you saturate the color by 10%, you get **35.9652, 28.3468, 46.6895**, and if you desaturate by 10%, it is **42.0271, 39.7676, 50.8777**.

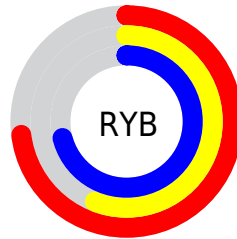
Distribution



Red (73%)

Green (56%)

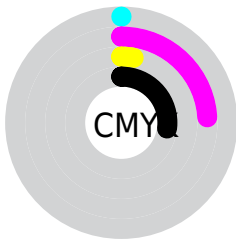
Blue (71%)



Red (73%)

Yellow (56%)

Blue (71%)

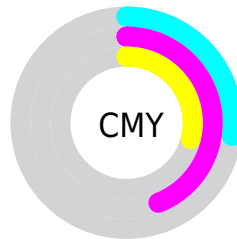


Cyan (0%)

Magenta (24%)

Yellow (3%)

Black (27%)



Cyan (27%)


Magenta (44%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7595, 33.5871, 48.6961 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 38.7595, 33.5871, 48.6961 by changing the saturation by 10% instead.


 38.7595, 33.5871,
48.6961

 38.7595, 33.5871,
48.6961

332.0917,
318.2870, 398.1327

 26.7526, 22.5766,
34.0146

 72.5672, 65.2911,
89.6162

 17.5231, 14.2812,
22.6273


 95.0987, 86.7533,
116.6919

 10.7058, 8.3165,
14.1159


121.8690,
112.4682, 148.7361

 5.9352, 4.2981,
8.0616

153.2437,
142.8202, 186.1672

 2.8460, 1.8417,
4.0461

189.5879,
178.1937, 229.4039

 1.0728, 0.5130,
1.6507

231.2670,

 0.0022, 0.0000,

218.9731, 278.8647

0.3266

278.6465,
265.5427, 334.9681

■ 0.0000, 0.0000,
0.0000

■ 38.7595, 33.5871,
48.6961

■ 38.7595, 33.5871,
48.6961

■ 35.9652, 28.3468,
46.6895

■ 42.0271, 39.7676,
50.8777

■ 33.6180, 23.9959,
44.8480

■ 45.7866, 46.9269,
53.2393

■ 31.6937, 20.4855,
43.1637

■ 50.0591, 55.1071,
55.7886

■ 30.1646, 17.7604,
41.6274

■ 54.8639, 64.3462,
58.5319

■ 28.9998, 15.7585,
40.2287

■ 60.2190, 74.6806,
61.4754

■ 28.1635, 14.4086,
38.9556

■ 66.0762, 86.0139,
64.6031

■ 27.6131, 13.6250,
37.7938

■ 66.3179, 86.1106,
65.8758

■ 27.3537, 13.3089,
37.0826

■ 66.5630, 86.2086,
67.1666

■ 66.8116, 86.3081,
68.4755

Harmonies

Analogous

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



35.6856, 33.5871, 58.6104



38.7595, 33.5871, 48.6961



39.9797, 33.5871, 36.9248

Triad

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



38.7595, 33.5871, 48.6961



32.0470, 33.5871, 19.0962



25.8354, 33.5871, 47.9597

Complementary

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



38.7595, 33.5871, 48.6961



34.4447, 43.5195, 34.6035

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.



25.0295, 33.5871, 36.2187



38.7595, 33.5871, 48.6961



28.4356, 33.5871, 20.8913

Square

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



38.7595, 33.5871, 48.6961



35.9161, 33.5871, 21.1353



25.9426, 33.5871, 26.6462



28.2384, 33.5871, 58.1282

Rectangle

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



38.7595, 33.5871, 48.6961



39.5079, 33.5871, 30.0293



25.9426, 33.5871, 26.6462



25.3778, 33.5871, 43.9990

Sweetspot

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



38.7605, 33.5886, 48.6968



79.4844, 79.2407, 93.7954



30.8981, 29.4745, 51.0751



17.4131, 17.2773, 20.5987



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.



38.7605, 33.5886, 48.6968



66.8503, 55.3278, 85.4059



36.7150, 32.7704, 37.9252



9.8820, 9.6771, 11.7676



18.8636, 9.1766, 25.6389



0.7523, 0.3648, 1.0751

Inverse Universe

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



38.7605, 33.5886, 48.6968



66.8503, 55.3278, 85.4059



36.2983, 44.2609, 44.3646



9.8820, 9.6771, 11.7676



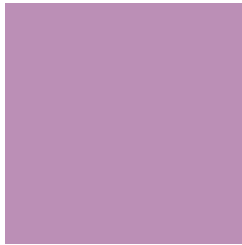
18.8636, 9.1766, 25.6389



0.7523, 0.3648, 1.0751

Previews

White Background



This preview shows how the XYZ color 38.7595, 33.5871, 48.6961 looks on a white background.

Color Contrast Check

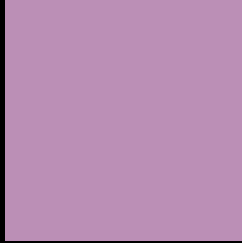
Large Text (above 18pt) WCAG AA × Fail

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 38.7595, 33.5871, 48.6961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

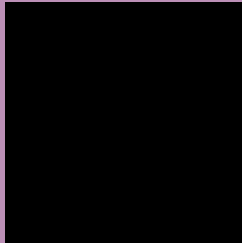
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7595, 33.5871, 48.6961

Background



This preview shows how black text looks on a background with the XYZ color 38.7595, 33.5871, 48.6961.



This preview shows how white text looks on a background with the XYZ color 38.7595, 33.5871,

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

38.7595, 33.5871, 48.6961

Protanopia

33.5772, 33.8842, 53.4858

Deuteranopia

34.3274, 33.6548, 47.8668



Tritanopia

36.4589, 33.5610, 37.3572

Trichromacy



Original Color

38.7595, 33.5871, 48.6961

Protanomaly

35.1405, 33.5076, 51.6292

Deuteranomaly

35.6655, 33.3771, 48.2787

Tritanomaly

37.2615, 33.6621, 41.0928

Monochromacy



Original Color

38.7595, 33.5871, 48.6961

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

35.2946, 34.5218, 42.3393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7595, 33.5871, 48.6961 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(187, 143, 182)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 143, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 143, 182) }
```

Border

The CSS property to change the border of an element to XYZ 38.7595, 33.5871, 48.6961 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(187, 143, 182) }
```


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

```
.border{ border-color:rgb(187, 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(187, 143, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 143, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 143, 182); box-shadow:4px 4px 4px 4px rgb(187, 143, 182) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7595, 33.5871, 48.6961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 143, 182) }
```

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

```
.background{ background-color: rgb(187,  
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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