

Converting Colors

XYZ(38.6517, 31.9982, 52.0457)

Have a look what the booklet for
XYZ(38.6517, 31.9982, 52.0457)
contains.

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Color

**XYZ(38.7285, 31.9738,
52.2745)**

Conversions

Conversions Part 1

Format	Color
Hex	BC88BD
RGB	188, 136, 189
RGB Percent	74%, 53%, 74%
CMY	0.2627, 0.4667, 0.2588
CMYK	0.01, 0.28, 0.00, 0.26
HSL	299°, 29%, 64%
HSV	299°, 28%, 74%
XYZ	38.7285, 31.9738, 52.2745
YIQ	157.5900, 13.9790, 27.5070

Conversions

Conversions Part 2

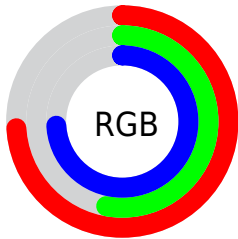
Format	Color
R_{YB}	188, 136, 189
Decimal	12355773
CIE _{Lab}	63.32, 28.78, -19.84
CIE _{LCh}	63, 34.958, 325.412
Yxy	31.9738, 0.3149, 0.2600
Android (android.graphics.Color)	4290545853 (0xFFBC88BD)
YUV	157.5900, 15.4851, 26.6696
Hunter-Lab	56.5454, 23.3020, -15.2301

Details

The XYZ color **38.7285, 31.9738, 52.2745** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.9592, 43.4920, 29.9518**, and the grayscale version is **32.2425, 33.9216, 36.9406**.

A 20% lighter version of the original color is **72.5511, 62.8320, 94.6901**, and **17.5239, 13.3429, 24.9444** is the 20% darker color. If you saturate the color by 10%, you get **36.2105, 27.0673, 51.4606**, and if you desaturate by 10%, it is **41.7181, 37.8219, 53.2462**.

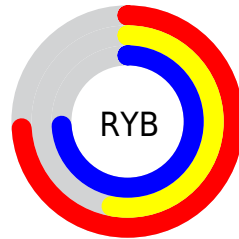
Distribution



Red (74%)

Green (53%)

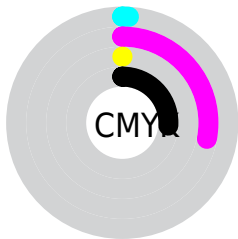
Blue (74%)



Red (74%)

Yellow (53%)

Blue (74%)

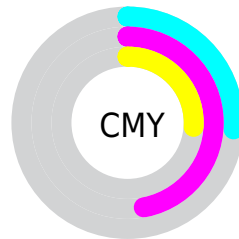


Cyan (1%)

Magenta (28%)

Yellow (0%)

Black (26%)



Cyan (26%)


Magenta (47%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7285, 31.9738, 52.2745 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 38.7285, 31.9738, 52.2745 by changing the saturation by 10% instead.


 38.7285, 31.9738,
52.2745

 38.7285, 31.9738,
52.2745

331.9619,
310.9999, 412.4825


 26.7284, 21.3415,
36.8402


 72.5201, 62.7700,
94.9666

 17.5048, 13.3738,
24.7890


 95.0423, 83.7027,
123.0615

 10.6926, 7.6865,
15.7023


 121.8025,
108.8376, 156.2137

 5.9263, 3.8950,
9.1617

153.1661,
138.5592, 194.8417

 2.8405, 1.6150,
4.7485

189.4985,
173.2518, 239.3640

 1.0700, 0.3677,
2.0443

231.1651,

 0.0000, 0.0000,

213.2999, 290.1992

0.5823

278.5311,
259.0878, 347.7659

■ 0.0000, 0.0000,
0.0000

■ 38.7285, 31.9738,
52.2745

■ 38.7285, 31.9738,
52.2745

■ 36.2105, 27.0673,
51.4606

■ 41.7181, 37.8219,
53.2462

■ 34.1363, 23.0490,
50.7943

■ 45.1991, 44.6531,
54.3813

■ 32.4802, 19.8663,
50.2673

■ 49.1939, 52.5114,
55.6875

■ 31.2122, 17.4597,
49.8696

■ 53.7226, 61.4372,
57.1717

■ 30.2988, 15.7616,
49.5900

■ 58.8041, 71.4684,
58.8401

■ 29.7002, 14.6932,
49.4153

■ 64.4566, 82.6412,
60.6988

■ 29.3554, 14.1319,
49.3251

■ 66.3049, 86.2054,
61.2893

■ 29.2983, 14.0427,
49.3109

■ 66.3944, 86.2515,
61.2935

■ 66.4841, 86.2977,
61.2977

Harmonies

Analogous

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



34.5685, 31.9738, 64.9239



38.7285, 31.9738, 52.2745



40.6613, 31.9738, 36.9934

Triad

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



38.7285, 31.9738, 52.2745



31.1419, 31.9738, 14.4072



22.7239, 31.9738, 47.5731

Complementary

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



38.7285, 31.9738, 52.2745



32.9592, 43.4920, 29.9518

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.



22.0130, 31.9738, 32.7220



38.7285, 31.9738, 52.2745



26.5628, 31.9738, 15.8391

Square

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



38.7285, 31.9738, 52.2745



35.9949, 31.9738, 17.1362



23.3437, 31.9738, 21.7517



25.3996, 31.9738, 61.7421

Rectangle

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



38.7285, 31.9738, 52.2745



40.2916, 31.9738, 28.1901



23.3437, 31.9738, 21.7517



22.2602, 31.9738, 42.4020

Sweetspot

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



38.7295, 31.9752, 52.2752



80.8924, 79.8579, 97.3768



28.3951, 27.0200, 51.8634



17.1809, 16.7514, 20.8704



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.



38.7295, 31.9752, 52.2752



66.3369, 51.3647, 92.6443



36.5164, 31.1185, 39.3314



9.9117, 9.6869, 12.0196



19.7204, 9.4523, 33.1780



0.7782, 0.3732, 1.2999

Inverse Universe

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



34.3069, 30.2347, 27.6961



57.0540, 47.7145, 40.9179



34.7616, 44.1941, 40.2945



9.5373, 9.5392, 9.9523



14.1366, 7.2858, 0.7469



0.5563, 0.2864, 0.0425

Previews

White Background



This preview shows how the XYZ color 38.7285, 31.9738, 52.2745 looks on a white background.

Color Contrast Check

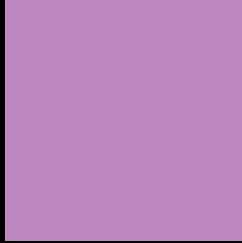
Large Text (above 18pt) WCAG AA × Fail

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 38.7285, 31.9738, 52.2745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

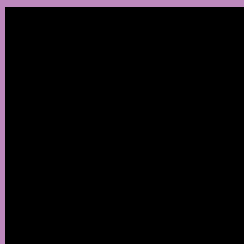
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7285, 31.9738, 52.2745

Background



This preview shows how black text looks on a background with the XYZ color 38.7285, 31.9738, 52.2745.



This preview shows how white text looks on a background with the XYZ color 38.7285, 31.9738,

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

38.7285, 31.9738, 52.2745

Protanopia

32.6381, 32.2893, 59.1558

Deuteranopia

32.7182, 32.0333, 50.9130



Tritanopia

35.1836, 32.0453, 34.9028

Trichromacy



Original Color

38.7285, 31.9738, 52.2745

Protanomaly

34.3432, 31.8124, 56.5549

Deuteranomaly

34.6121, 31.8380, 51.3348

Tritanomaly

36.3607, 31.8605, 40.7925

Monochromacy



Original Color

38.7285, 31.9738, 52.2745

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.4300, 33.1123, 42.1128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7285, 31.9738, 52.2745 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, 136, 189)` looks like.

```
.text, #text, p{  
    color:rgb(188, 136, 189)  
}
```

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, 136, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 136, 189) }
```

Border

The CSS property to change the border of an element to XYZ 38.7285, 31.9738, 52.2745 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, 136, 189) }
```


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

```
.border{ border-color:rgb(188, 136, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 136, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 136, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 136, 189);  
box-shadow:4px 4px 4px 4px rgb(188, 136,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7285, 31.9738, 52.2745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 136, 189) }
```

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

```
.background{ background-color: rgb(188,  
136, 189) }
```

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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