

Converting Colors

XYZ(37.9299, 33.1097, 57.7892)

Have a look what the booklet for
XYZ(37.9299, 33.1097, 57.7892)
contains.

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Color

**XYZ(38.0708, 33.2538,
57.8382)**

Conversions

Conversions Part 1

Format	Color
Hex	B090C6
RGB	176, 144, 198
RGB Percent	69%, 56%, 78%
CMY	0.3098, 0.4353, 0.2235
CMYK	0.11, 0.27, 0.00, 0.22
HSL	276°, 32%, 67%
HSV	276°, 27%, 78%
XYZ	38.0708, 33.2538, 57.8382
YIQ	159.7240, 1.7380, 23.5780

Conversions

Conversions Part 2

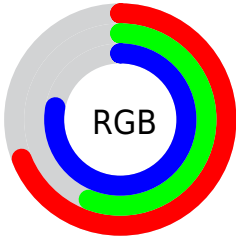
Format	Color
R _Y B	176, 144, 198
Decimal	11571398
CIE Lab	64.37, 22.17, -23.41
CIE LCh	64, 32.242, 313.433
Yxy	33.2538, 0.2948, 0.2575
Android (android.graphics.Color)	4289761478 (0xFFB090C6)
YUV	159.7240, 18.8701, 14.2741
Hunter-Lab	57.6661, 16.9289, -19.1007

Details

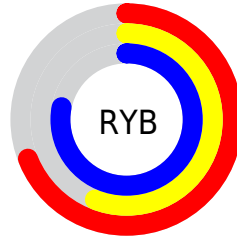
The XYZ color **38.0708, 33.2538, 57.8382** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.9551, 50.5096, 33.9778**, and the grayscale version is **33.2029, 34.9320, 38.0410**.

A 20% lighter version of the original color is **71.5228, 64.7640, 103.3388**, and **17.1168, 14.0533, 28.1960** is the 20% darker color. If you saturate the color by 10%, you get **33.5610, 26.8613, 56.8425**, and if you desaturate by 10%, it is **43.2171, 40.7568, 59.0157**.

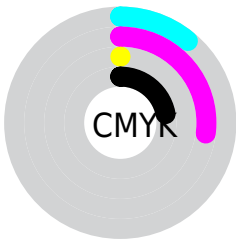
Distribution



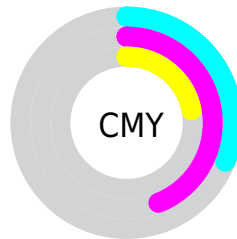
- Red (69%)
- Green (56%)
- Blue (78%)



- Red (69%)
- Yellow (56%)
- Blue (78%)



- Cyan (11%)
- Magenta (27%)
- Yellow (0%)
- Black (22%)





- Cyan (31%)
- Magenta (44%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0708, 33.2538, 57.8382 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 38.0708, 33.2538, 57.8382 by changing the saturation by 10% instead.


 38.0708, 33.2538,
57.8382


 38.0708, 33.2538,
57.8382

329.1992,
316.7918, 434.1642

 26.2151, 22.3209,
41.2647


 71.5198, 64.7716,
103.1997

 17.1182, 14.0929,
28.2048


 93.8439, 86.1253,
132.8247

 10.4146, 8.1853,
18.2397

120.3881,
111.7214, 167.6374

 5.7391, 4.2138,
10.9510

151.5179,
141.9443, 208.0563

 2.7262, 1.7938,
5.9201

187.5985,
177.1784, 254.4999

 1.0107, 0.4833,
2.7286

228.9954,

 0.0000, 0.0000,

217.8081, 307.3867

0.9578

276.0738,
264.2178, 367.1353

■ 0.0000, 0.0000,
0.0000

■ 38.0708, 33.2538,
57.8382

■ 38.0708, 33.2538,
57.8382

■ 33.5610, 26.8613,
56.8425

■ 43.2171, 40.7568,
59.0157

■ 29.6551, 21.5193,
56.0173

■ 49.0240, 49.4180,
60.3814

■ 26.3223, 17.1682,
55.3531

■ 55.5181, 59.2874,
61.9441

■ 23.5275, 13.7407,
54.8388

■ 62.7235, 70.4106,
63.7114

■ 21.2311, 11.1608,
54.4619

■ 70.6632, 82.8310,
65.6903

■ 19.3873, 9.3396,
54.2075

■ 76.8185, 91.5089,
67.0409

■ 17.9331, 8.1544,
54.0554

■ 79.3844, 92.8317,
67.1610

■ 17.5741, 7.8823,
54.0218

■ 82.0706, 94.2165,
67.2867

■ 84.8786, 95.6641,
67.4181

Harmonies

Analogous

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



33.7016, 33.2538, 66.7752



38.0708, 33.2538, 57.8382



40.8429, 33.2538, 43.9034

Triad

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



38.0708, 33.2538, 57.8382



34.1906, 33.2538, 16.9831



23.7764, 33.2538, 42.4025

Complementary

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



38.0708, 33.2538, 57.8382



40.9551, 50.5096, 33.9778

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.



23.8799, 33.2538, 29.4684



38.0708, 33.2538, 57.8382



29.6005, 33.2538, 16.7680

Square

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



38.0708, 33.2538, 57.8382



38.4585, 33.2538, 21.4624



25.9192, 33.2538, 20.7801



25.6213, 33.2538, 56.5128

Rectangle

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



38.0708, 33.2538, 57.8382



41.2601, 33.2538, 34.7152



25.9192, 33.2538, 20.7801



23.5903, 33.2538, 37.7424

Sweetspot

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



38.0719, 33.2552, 57.8389



85.8920, 86.1255, 106.7046



35.4231, 37.4624, 58.7906



18.0351, 17.9098, 22.7563



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.0719, 33.2552, 57.8389



62.3171, 51.6168, 101.2863



42.9444, 35.8262, 55.3974



10.6491, 10.5929, 13.4009



11.5278, 5.1770, 35.1360



0.6264, 0.2867, 1.6675

Inverse Universe

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



40.1459, 34.7068, 40.6609



66.8102, 54.7434, 64.8875



37.0818, 48.4723, 35.6280



10.8100, 10.7074, 11.9827



16.1431, 8.2068, 5.9635



0.8001, 0.4029, 0.4707

Previews

White Background



This preview shows how the XYZ color 38.0708, 33.2538, 57.8382 looks on a white background.

Color Contrast Check

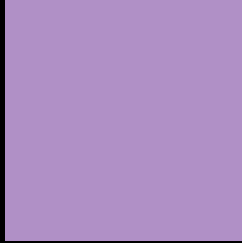
Large Text (above 18pt) WCAG AA × Fail

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 38.0708, 33.2538, 57.8382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

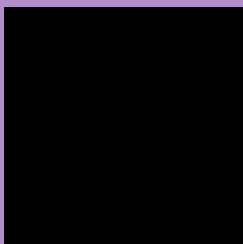
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0708, 33.2538, 57.8382

Background



This preview shows how black text looks on a background with the XYZ color 38.0708, 33.2538, 57.8382.



This preview shows how white text looks on a background with the XYZ color 38.0708, 33.2538,

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

38.0708, 33.2538, 57.8382

Protanopia

33.8515, 33.3182, 63.0394

Deuteranopia

34.1175, 33.3473, 56.8630



Tritanopia

34.2550, 33.3236, 39.2770

Trichromacy



Original Color

38.0708, 33.2538, 57.8382

Protanomaly

35.0123, 32.9945, 61.0231

Deuteranomaly

35.4816, 33.3175, 57.3842

Tritanomaly

35.4396, 33.0851, 45.5925

Monochromacy



Original Color

38.0708, 33.2538, 57.8382

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.9215, 34.2742, 44.8194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0708, 33.2538, 57.8382 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(176, 144, 198)` looks like.

```
.text, #text, p{  
    color:rgb(176, 144, 198)  
}
```

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(176, 144, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 144, 198) }
```

Border

The CSS property to change the border of an element to XYZ 38.0708, 33.2538, 57.8382 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(176, 144, 198) }
```


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

```
.border{ border-color:rgb(176, 144, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 144, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 144, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 144, 198);  
box-shadow:4px 4px 4px 4px rgb(176, 144,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0708, 33.2538, 57.8382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 144, 198) }
```

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

```
.background{ background-color: rgb(176,  
144, 198) }
```

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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