

Converting Colors

XYZ(38.1299, 31.2320, 51.5511)

Have a look what the booklet for
XYZ(38.1299, 31.2320, 51.5511)
contains.

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Color

**XYZ(38.0957, 31.2458,
51.6001)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | BB86BC |
| RGB | 187, 134, 188 |
| RGB Percent | 73%, 53%, 74% |
| CMY | 0.2667, 0.4745, 0.2627 |
| CMYK | 0.01, 0.29, 0.00, 0.26 |
| HSL | 299°, 29%, 63% |
| HSV | 299°, 29%, 74% |
| XYZ | 38.0957, 31.2458, 51.6001 |
| YIQ | 156.0030, 14.2540, 28.0300 |

Conversions

Conversions Part 2

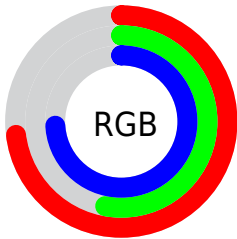
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 187, 134, 188 |
| Decimal | 12289724 |
| CIELab | 62.71, 29.36, -20.21 |
| CIELCh | 63, 35.649, 325.457 |
| Yxy | 31.2458, 0.3150, 0.2584 |
| Android (android.graphics.Color) | 4290479804 (0xFFBB86BC) |
| YUV | 156.0030, 15.7745, 27.1844 |
| Hunter-Lab | 55.8979, 23.8303, -15.6028 |

Details

The XYZ color **38.0957, 31.2458, 51.6001** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **32.2790, 42.8393, 29.1233**, and the grayscale version is **31.5295, 33.1715, 36.1237**.

A 20% lighter version of the original color is **71.6206, 61.7312, 93.7284**, and **17.1393, 12.9223, 24.5126** is the 20% darker color. If you saturate the color by 10%, you get **35.6400, 26.4601, 50.8062**, and if you desaturate by 10%, it is **41.0155, 36.9582, 52.5493**.

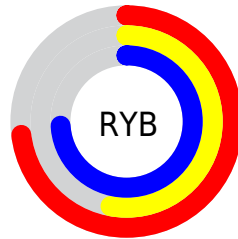
Distribution



Red (73%)

Green (53%)

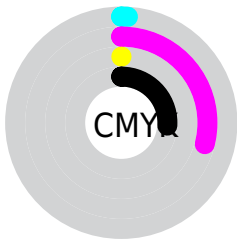
Blue (74%)



Red (73%)

Yellow (53%)

Blue (74%)

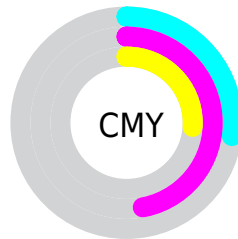


Cyan (1%)

Magenta (29%)

Yellow (0%)

Black (26%)



Cyan (27%)


Magenta (47%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0957, 31.2458, 51.6001 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 38.0957, 31.2458, 51.6001 by changing the saturation by 10% instead.


 38.0957, 31.2458,
51.6001


 38.0957, 31.2458,
51.6001


329.3041,
307.6691, 409.8038


 26.2345, 20.7861,
36.3064


 71.5578, 61.6269,
93.9618

 17.1328, 12.9677,
24.3793


 93.8893, 82.3170,
121.8668

 10.4251, 7.4063,
15.4005


 120.4418,
107.1860, 154.8127

 5.7461, 3.7175,
8.9512

151.5804,
136.6184, 193.2180

 2.7305, 1.5168,
4.6130

187.6706,
170.9985, 237.5012

 1.0129, 0.3005,
1.9673

229.0777,

 0.0000, 0.0000,

210.7108, 288.0808

0.5351

276.1671,
256.1395, 345.3755

■ 0.0000, 0.0000,
0.0000

■ 38.0957, 31.2458,
51.6001

■ 38.0957, 31.2458,
51.6001

■ 35.6400, 26.4601,
50.8062

■ 41.0155, 36.9582,
52.5493

■ 33.6210, 22.5479,
50.1575

■ 44.4190, 43.6385,
53.6593

■ 32.0129, 19.4573,
49.6457

■ 48.3285, 51.3303,
54.9379

■ 30.7860, 17.1289,
49.2610

■ 52.7639, 60.0736,
56.3918

■ 29.9068, 15.4955,
48.9920

■ 57.7439, 69.9059,
58.0271

■ 29.3358, 14.4782,
48.8258

■ 63.2866, 80.8632,
59.8500

■ 29.0062, 13.9434,
48.7399

■ 65.9321, 86.0257,
60.7070

■ 28.9694, 13.8857,
48.7307

■ 66.0188, 86.0704,
60.7111

■ 66.1057, 86.1152,
60.7151

Harmonies

Analogous

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



33.9064, 31.2458, 64.4236



38.0957, 31.2458, 51.6001



40.0416, 31.2458, 36.1895

Triad

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



38.0957, 31.2458, 51.6001



30.4459, 31.2458, 13.6829



22.0223, 31.2458, 46.8952

Complementary

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



38.0957, 31.2458, 51.6001



32.2790, 42.8393, 29.1233

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.



21.3096, 31.2458, 31.9416



38.0957, 31.2458, 51.6001



25.8534, 31.2458, 15.1017

Square

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



38.0957, 31.2458, 51.6001



35.3288, 31.2458, 16.3715



22.6354, 31.2458, 20.9712



24.7001, 31.2458, 61.2276

Rectangle

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



38.0957, 31.2458, 51.6001



39.6655, 31.2458, 27.3647



22.6354, 31.2458, 20.9712



21.5584, 31.2458, 41.6785

Sweetspot

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



38.0967, 31.2472, 51.6008



80.2211, 78.5352, 97.1569



27.6859, 26.2527, 51.1854



17.0469, 16.4873, 20.8265



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.



38.0967, 31.2472, 51.6008



66.3470, 51.3700, 92.6447



35.8580, 30.3801, 38.5316



9.9120, 9.6870, 12.0196



19.7311, 9.4578, 33.1785



0.7785, 0.3734, 1.2999

Inverse Universe

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



33.6383, 29.4922, 26.8426



57.0514, 47.7135, 40.9040



34.0912, 43.5457, 39.5015



9.5371, 9.5392, 9.9516



14.1363, 7.2857, 0.7452



0.5562, 0.2864, 0.0422

Previews

White Background



This preview shows how the XYZ color 38.0957, 31.2458, 51.6001 looks on a white background.

Color Contrast Check

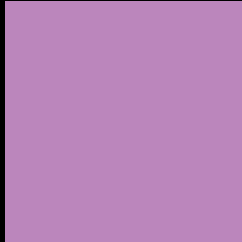
Large Text (above 18pt) WCAG AA × Fail

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 38.0957, 31.2458, 51.6001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

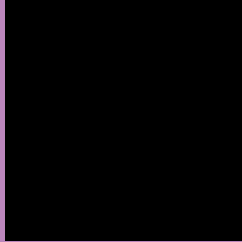
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0957, 31.2458, 51.6001

Background



This preview shows how black text looks on a background with the XYZ color 38.0957, 31.2458, 51.6001.



This preview shows how white text looks on a background with the XYZ color 38.0957, 31.2458,

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

38.0957, 31.2458, 51.6001

Protanopia

31.9791, 31.4718, 59.0328

Deuteranopia

32.0821, 31.4817, 50.2846



Tritanopia

34.4838, 31.2618, 33.9224

Trichromacy



Original Color

38.0957, 31.2458, 51.6001

Protanomaly

33.6474, 31.0000, 56.4347

Deuteranomaly

33.9404, 31.2782, 50.7028

Tritanomaly

35.6472, 31.0839, 39.7183

Monochromacy



Original Color

38.0957, 31.2458, 51.6001

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.5941, 32.2225, 41.4947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0957, 31.2458, 51.6001 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, 134, 188)` looks like.

```
.text, #text, p{  
    color:rgb(187, 134, 188)  
}
```

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, 134, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 134, 188) }
```

Border

The CSS property to change the border of an element to XYZ 38.0957, 31.2458, 51.6001 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, 134, 188) }
```


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

```
.border{ border-color:rgb(187, 134, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 134, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 134, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 134, 188); box-shadow:4px 4px 4px 4px rgb(187, 134, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0957, 31.2458, 51.6001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 134, 188) }
```

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

```
.background{ background-color: rgb(187,  
134, 188) }
```

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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