

Converting Colors

XYZ(38.1417, 31.1177, 51.0984)

Have a look what the booklet for
XYZ(38.1417, 31.1177, 51.0984)
contains.

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Color

**XYZ(38.0962, 31.0543,
50.9999)**

Conversions

Conversions Part 1

Format	Color
Hex	BC85BB
RGB	188, 133, 187
RGB Percent	74%, 52%, 73%
CMY	0.2627, 0.4784, 0.2667
CMYK	0.00, 0.29, 0.01, 0.26
HSL	301°, 29%, 63%
HSV	301°, 29%, 74%
XYZ	38.0962, 31.0543, 50.9999
YIQ	155.6010, 15.4460, 28.4540

Conversions

Conversions Part 2

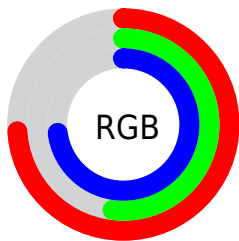
Format	Color
RYB	188, 133, 187
Decimal	12355003
CIELab	62.55, 30.06, -19.89
CIELCh	63, 36.042, 326.515
Yxy	31.0543, 0.3171, 0.2585
Android (android.graphics.Color)	4290545083 (0xFFBC85BB)
YUV	155.6010, 15.4797, 28.4139
Hunter-Lab	55.7264, 24.5067, -15.2528

Details

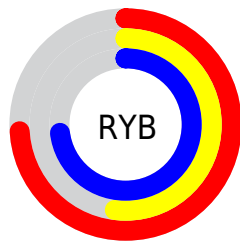
The XYZ color **38.0962, 31.0543, 50.9999** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.9604, 42.6752, 29.1086**, and the grayscale version is **31.3517, 32.9844, 35.9200**.

A 20% lighter version of the original color is **71.6042, 61.4242, 92.8761**, and **17.1519, 12.8241, 24.1256** is the 20% darker color. If you saturate the color by 10%, you get **35.7129, 26.3455, 50.0254**, and if you desaturate by 10%, it is **40.9422, 36.6871, 52.1298**.

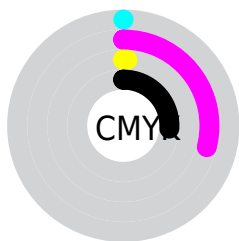
Distribution



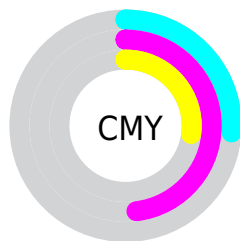
- Red (74%)
- Green (52%)
- Blue (73%)



- Red (74%)
- Yellow (52%)
- Blue (73%)



- Cyan (0%)
- Magenta (29%)
- Yellow (1%)
- Black (26%)





- Cyan (26%)
- Magenta (48%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0962, 31.0543, 50.9999 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 38.0962, 31.0543, 50.9999 by changing the saturation by 10% instead.


 38.0962, 31.0543,
50.9999


 38.0962, 31.0543,
50.9999


329.3062,
306.7884, 407.4099


 26.2349, 20.6402,
35.8318


 71.5585, 61.3256,
93.0661

 17.1331, 12.8613,
24.0157


 93.8902, 81.9515,
120.8013

 10.4253, 7.3331,
15.1329


 120.4428,
106.7502, 153.5627

 5.7463, 3.6713,
8.7651

151.5817,
136.1060, 191.7686

 2.7306, 1.4914,
4.4936

187.6720,
170.4033, 235.8378

 1.0130, 0.2827,
1.8998

229.0794,

 0.0000, 0.0000,

210.0266, 286.1887

0.4926

276.1690,
255.3601, 343.2399

■ 0.0000, 0.0000,
0.0000

■ 38.0962, 31.0543,
50.9999

■ 38.0962, 31.0543,
50.9999

■ 35.7129, 26.3455,
50.0254

■ 40.9422, 36.6871,
52.1298

■ 33.7647, 22.5076,
49.1960

■ 44.2708, 43.2854,
53.4205

■ 32.2258, 19.4881,
48.5035

■ 48.1041, 50.8931,
54.8800

■ 31.0665, 17.2275,
47.9379

■ 52.4621, 59.5500,
56.5148

■ 30.2527, 15.6579,
47.4880

■ 57.3637, 69.2940,
58.3312

■ 29.7447, 14.6997,
47.1404

■ 62.8268, 80.1609,
60.3353

■ 29.4701, 14.2082,
46.8710

■ 65.7275, 85.9028,
61.4856

■ 29.4522, 14.1766,
46.8518

■ 65.7648, 85.9177,
61.6819

■ 65.8022, 85.9326,
61.8787

Harmonies

Analogous

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



33.9273, 31.0543, 64.1768



38.0962, 31.0543, 50.9999



39.9596, 31.0543, 35.4803

Triad

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



38.0962, 31.0543, 50.9999



30.0928, 31.0543, 13.3916



21.8597, 31.0543, 47.3528

Complementary

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



38.0962, 31.0543, 50.9999



31.9604, 42.6752, 29.1086

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.



21.0721, 31.0543, 32.1985



38.0962, 31.0543, 50.9999



25.5050, 31.0543, 14.9530

Square

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



38.0962, 31.0543, 50.9999



35.0279, 31.0543, 15.9258



22.3320, 31.0543, 20.9991



24.6153, 31.0543, 61.6942

Rectangle

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



38.0962, 31.0543, 50.9999



39.5067, 31.0543, 26.7049



22.3320, 31.0543, 20.9991



21.3702, 31.0543, 42.0819

Sweetspot

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



38.0972, 31.0557, 51.0006



80.3020, 78.5839, 96.8420



27.2843, 25.4690, 51.0556



17.0671, 16.4995, 20.7480



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.



38.0972, 31.0557, 51.0006



66.2194, 50.6998, 91.2813



35.4365, 29.9914, 36.9894



9.9223, 9.6932, 11.9797



20.0555, 9.6533, 31.9154



0.7880, 0.3791, 1.2628

Inverse Universe

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



38.0972, 31.0557, 51.0006



66.2194, 50.6998, 91.2813



34.1271, 43.5419, 40.5182



9.9223, 9.6932, 11.9797



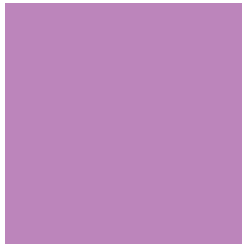
20.0555, 9.6533, 31.9154



0.7880, 0.3791, 1.2628

Previews

White Background



This preview shows how the XYZ color 38.0962, 31.0543, 50.9999 looks on a white background.

Color Contrast Check

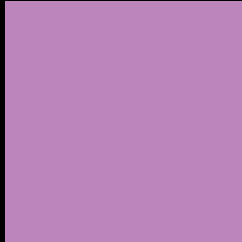
Large Text (above 18pt) WCAG AA × Fail

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 38.0962, 31.0543, 50.9999 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 38.0962, 31.0543, 50.9999

Background



This preview shows how black text looks on a background with the XYZ color 38.0962, 31.0543, 50.9999.



This preview shows how white text looks on a background with the XYZ color 38.0962, 31.0543,

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

38.0962, 31.0543, 50.9999

Protanopia

31.6964, 31.3395, 58.4114

Deuteranopia

31.8193, 31.1245, 49.6780



Tritanopia

34.4924, 31.0578, 33.4550

Trichromacy



Original Color

38.0962, 31.0543, 50.9999

Protanomaly

33.5339, 30.9546, 55.8372

Deuteranomaly

33.8893, 31.0402, 50.1041

Tritanomaly

35.6541, 30.8859, 39.2044

Monochromacy



Original Color

38.0962, 31.0543, 50.9999

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.7134, 32.2947, 41.0158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0962, 31.0543, 50.9999 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, 133, 187)` looks like.

```
.text, #text, p{  
    color:rgb(188, 133, 187)  
}
```

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, 133, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 133, 187) }
```

Border

The CSS property to change the border of an element to XYZ 38.0962, 31.0543, 50.9999 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, 133, 187) }
```


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

```
.border{ border-color:rgb(188, 133, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 133, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 133, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 133, 187);  
box-shadow:4px 4px 4px 4px rgb(188, 133,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0962, 31.0543, 50.9999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 133, 187) }
```

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

```
.background{ background-color: rgb(188,  
133, 187) }
```

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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