

Converting Colors

XYZ(38.4620, 32.1118, 63.4393)

Have a look what the booklet for
XYZ(38.4620, 32.1118, 63.4393)
contains.

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Color

**XYZ(38.2555, 31.9121,
63.1748)**

Conversions

Conversions Part 1

Format	Color
Hex	B08ACF
RGB	176, 138, 207
RGB Percent	69%, 54%, 81%
CMY	0.3098, 0.4588, 0.1882
CMYK	0.15, 0.33, 0.00, 0.19
HSL	273°, 42%, 68%
HSV	273°, 33%, 81%
XYZ	38.2555, 31.9121, 63.1748
YIQ	157.2280, 0.4990, 29.5150

Conversions

Conversions Part 2

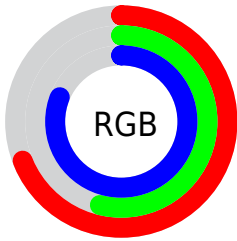
Format	Color
RYB	176, 138, 207
Decimal	11569871
CIELab	63.27, 27.48, -30.14
CIELCh	63, 40.789, 312.363
Yxy	31.9121, 0.2869, 0.2393
Android (android.graphics.Color)	4289759951 (0xFFB08ACF)
YUV	157.2280, 24.5376, 16.4630
Hunter-Lab	56.4908, 22.0211, -26.7616

Details

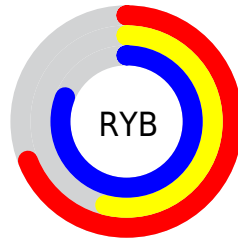
The XYZ color **38.2555, 31.9121, 63.1748** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.2634, 54.8964, 32.3620**, and the grayscale version is **32.0442, 33.7130, 36.7135**.

A 20% lighter version of the original color is **70.1783, 62.0751, 102.8906**, and **17.1017, 13.2210, 31.3563** is the 20% darker color. If you saturate the color by 10%, you get **33.5328, 25.4816, 62.1830**, and if you desaturate by 10%, it is **43.6904, 39.5515, 64.3634**.

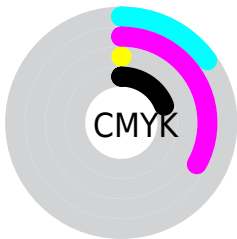
Distribution



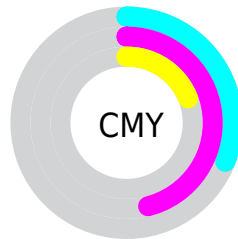
- Red (69%)
- Green (54%)
- Blue (81%)



- Red (69%)
- Yellow (54%)
- Blue (81%)



- Cyan (15%)
- Magenta (33%)
- Yellow (0%)
- Black (19%)



- Cyan (31%)
- Magenta (46%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2555, 31.9121, 63.1748 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 38.2555, 31.9121, 63.1748 by changing the saturation by 10% instead.

■ 38.2555, 31.9121,
63.1748

■ 38.2555, 31.9121,
63.1748

329.9767,
310.7186, 454.3290

■ 26.3592, 21.2944,
45.5407

■ 71.8010, 62.6733,
111.0097

■ 17.2266, 13.3393,
31.5375

■ 94.1808, 83.5855,
142.0475

■ 10.4925, 7.6626,
20.7466

■ 120.7858,
108.6980, 178.3904

■ 5.7915, 3.8798,
12.7495

151.9815,
138.3952, 220.4569

■ 2.7581, 1.6066,
7.1276

188.1330,
173.0615, 268.6654

■ 1.0272, 0.3620,
3.4623

229.6058,

■ 0.0000, 0.0000,

213.0812, 323.4346

1.3353

276.7652,
258.8388, 385.1829

■ 0.0000, 0.0000,
0.0904

■ 0.0000, 0.0000,
0.0000

■ 38.2555, 31.9121,
63.1748

■ 38.2555, 31.9121,
63.1748

■ 33.5328, 25.4816,
62.1830

■ 43.6904, 39.5515,
64.3634

■ 29.4839, 20.1900,
61.3750

■ 49.8668, 48.4566,
65.7567

■ 26.0716, 15.9661,
60.7396

■ 56.8160, 58.6853,
67.3648

■ 23.2529, 12.7287,
60.2633

■ 64.5666, 70.2909,
69.1964

■ 20.9788, 10.3846,
59.9307

■ 73.1456, 83.3235,
71.2598

■ 19.1908, 8.8214,
59.7232

■ 80.2371, 93.1478,
72.7823

■ 18.2021, 8.0825,
59.6327

■ 83.3331, 94.7438,
72.9272

■ 86.5912, 96.4234,
73.0797

■ 88.2626, 97.2850,
73.1579

Harmonies

Analogous

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



32.7172, 31.9121, 74.8545



38.2555, 31.9121, 63.1748



41.9058, 31.9121, 45.0506

Triad

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



38.2555, 31.9121, 63.1748



33.7432, 31.9121, 12.7323



20.9100, 31.9121, 41.8422

Complementary

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



38.2555, 31.9121, 63.1748



43.2634, 54.8964, 32.3620

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.



21.1126, 31.9121, 26.1477



38.2555, 31.9121, 63.1748



28.0647, 31.9121, 12.3566

Square

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



38.2555, 31.9121, 63.1748



39.0865, 31.9121, 17.7174



23.5850, 31.9121, 16.4566



22.9924, 31.9121, 60.2072

Rectangle

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



38.2555, 31.9121, 63.1748



42.5308, 31.9121, 33.4799



23.5850, 31.9121, 16.4566



20.7212, 31.9121, 36.0454

Sweetspot

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



38.2566, 31.9134, 63.1755



83.3579, 82.6873, 106.1745



35.9421, 38.3041, 64.5310



17.5126, 17.2159, 22.6499



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.



38.2566, 31.9134, 63.1755



55.7850, 43.5832, 100.0799



45.6666, 35.7816, 61.3444



11.7771, 11.7339, 14.8878



11.5785, 5.1492, 37.5761



0.7381, 0.3347, 2.1053

Inverse Universe

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



41.9830, 34.3082, 41.9467



62.9198, 48.1579, 59.9061



37.6364, 51.9662, 33.4235



12.0263, 11.8953, 13.4145



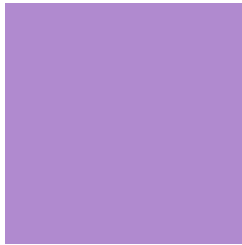
17.5035, 8.8742, 7.5575



1.0184, 0.5121, 0.6317

Previews

White Background



This preview shows how the XYZ color 38.2555, 31.9121, 63.1748 looks on a white background.

Color Contrast Check

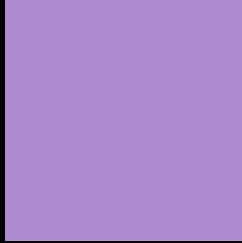
Large Text (above 18pt) WCAG AA × Fail

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 38.2555, 31.9121, 63.1748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

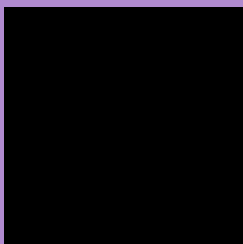
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.2555, 31.9121, 63.1748

Background



This preview shows how black text looks on a background with the XYZ color 38.2555, 31.9121, 63.1748.



This preview shows how white text looks on a background with the XYZ color 38.2555, 31.9121,

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

38.2555, 31.9121, 63.1748

Protanopia

33.2639, 32.1295, 70.0941

Deuteranopia

32.7809, 32.0683, 61.5888



Tritanopia

32.9964, 32.0078, 37.2399

Trichromacy



Original Color

38.2555, 31.9121, 63.1748

Protanomaly

34.6836, 31.7514, 67.2514

Deuteranomaly

34.4352, 31.7379, 62.0687

Tritanomaly

34.6043, 31.7390, 45.3767

Monochromacy



Original Color

38.2555, 31.9121, 63.1748

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.9541, 32.8004, 45.0990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2555, 31.9121, 63.1748 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, 138, 207)` looks like.

```
.text, #text, p{  
    color:rgb(176, 138, 207)  
}
```

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, 138, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 138, 207) }
```

Border

The CSS property to change the border of an element to XYZ 38.2555, 31.9121, 63.1748 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, 138, 207) }
```


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

```
.border{ border-color:rgb(176, 138, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 138, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 138, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 138, 207); box-shadow:4px 4px 4px 4px rgb(176, 138, 207) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2555, 31.9121, 63.1748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 138, 207) }
```

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

```
.background{ background-color: rgb(176,  
138, 207) }
```

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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