

Converting Colors

XYZ(38.0234, 32.5455, 45.0886)

Have a look what the booklet for
XYZ(38.0234, 32.5455, 45.0886)
contains.

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Color

**XYZ(38.1022, 32.6701,
44.8552)**

Conversions

Conversions Part 1

Format	Color
Hex	BD8CAF
RGB	189, 140, 175
RGB Percent	74%, 55%, 69%
CMY	0.2588, 0.4510, 0.3137
CMYK	0.00, 0.26, 0.07, 0.26
HSL	317°, 27%, 65%
HSV	317°, 26%, 74%
XYZ	38.1022, 32.6701, 44.8552
YIQ	158.6410, 17.9690, 21.2730

Conversions

Conversions Part 2

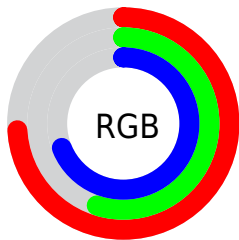
Format	Color
RYB	189, 140, 175
Decimal	12422319
CIELab	63.89, 24.31, -11.07
CIELCh	64, 26.708, 335.516
Yxy	32.6701, 0.3295, 0.2825
Android (android.graphics.Color)	4290612399 (0xFFBD8CAF)
YUV	158.6410, 8.0650, 26.6248
Hunter-Lab	57.1578, 18.9646, -6.5181

Details

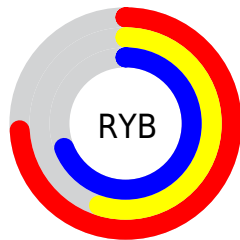
The XYZ color **38.1022, 32.6701, 44.8552** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.8469, 44.3047, 37.2888**, and the grayscale version is **32.7502, 34.4558, 37.5224**.

A 20% lighter version of the original color is **71.7216, 63.9459, 84.1640**, and **17.1392, 13.7257, 20.4849** is the 20% darker color. If you saturate the color by 10%, you get **35.0545, 27.4062, 41.2747**, and if you desaturate by 10%, it is **41.6474, 38.8940, 48.7069**.

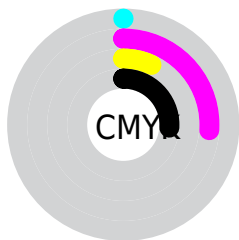
Distribution



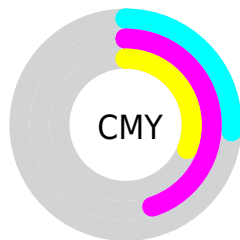
- Red (74%)
- Green (55%)
- Blue (69%)



- Red (74%)
- Yellow (55%)
- Blue (69%)



- Cyan (0%)
- Magenta (26%)
- Yellow (7%)
- Black (26%)





- Cyan (26%)
- Magenta (45%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1022, 32.6701, 44.8552 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 38.1022, 32.6701, 44.8552 by changing the saturation by 10% instead.


 38.1022, 32.6701,
44.8552

 38.1022, 32.6701,
44.8552


329.3315,
314.1606, 382.3298


 26.2396, 21.8738,
31.0013


 71.5676, 63.8601,
83.8192

 17.1366, 13.7642,
20.3413


 93.9012, 85.0227,
109.7664

 10.4278, 7.9569,
12.4569


 120.4558,
110.4095, 140.5817

 5.7480, 4.0674,
6.9293

151.5967,
140.4049, 176.6838

 2.7316, 1.7113,
3.3402

187.6894,
175.3933, 218.4911

 1.0135, 0.4310,
1.2708

229.0992,

 0.0000, 0.0000,

215.7591, 266.4222

0.0377

276.1914,
261.8867, 320.8955

■ 0.0000, 0.0000,
0.0000

■ 38.1022, 32.6701,
44.8552

■ 38.1022, 32.6701,
44.8552

■ 35.0545, 27.4062,
41.2747

■ 41.6474, 38.8940,
48.7069

■ 32.4769, 23.0494,
37.9540

■ 45.7099, 46.1187,
52.8366

■ 30.3437, 19.5483,
34.8837

■ 50.3120, 54.3879,
57.2531

■ 28.6256, 16.8446,
32.0527

■ 55.4738, 63.7414,
61.9644

■ 27.2894, 14.8725,
29.4488

■ 61.2143, 74.2169,
66.9779

■ 26.2970, 13.5558,
27.0579

■ 67.5516, 85.8502,
72.3008

■ 25.5997, 12.7980,
24.8624

■ 68.7319, 87.1331,
76.0162

■ 25.3594, 12.5681,
24.0098

■ 69.4282, 87.4116,
79.6828

■ 70.1475, 87.6993,
83.4708

Harmonies

Analogous

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



35.4411, 32.6701, 55.2121



38.1022, 32.6701, 44.8552



38.8129, 32.6701, 33.6201

Triad

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



38.1022, 32.6701, 44.8552



30.3626, 32.6701, 18.6956



25.5346, 32.6701, 48.9973

Complementary

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



38.1022, 32.6701, 44.8552



34.8469, 44.3047, 37.2888

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.



24.4014, 32.6701, 37.5984



38.1022, 32.6701, 44.8552



27.0410, 32.6701, 21.2483

Square

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



38.1022, 32.6701, 44.8552



34.1435, 32.6701, 19.8686



24.9299, 32.6701, 27.6674



28.1529, 32.6701, 57.9215

Rectangle

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



38.1022, 32.6701, 44.8552



38.0392, 32.6701, 27.3827



24.9299, 32.6701, 27.6674



24.9774, 32.6701, 45.2505

Sweetspot

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



38.1032, 32.6716, 44.8559



80.1803, 79.5879, 92.9556



31.8690, 29.2905, 52.1186



16.9999, 16.6828, 19.7462



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.



38.1032, 32.6716, 44.8559



65.0930, 53.0537, 76.7038



35.9203, 31.7984, 33.3612



9.8106, 9.6485, 11.3914



17.0967, 8.4698, 16.3345



0.6965, 0.3425, 0.7812

Inverse Universe

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



38.1032, 32.6716, 44.8559



65.0930, 53.0537, 76.7038



37.0884, 45.2013, 49.0924



9.8106, 9.6485, 11.3914



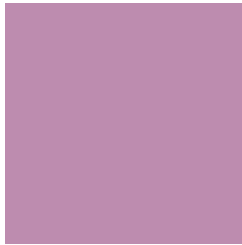
17.0967, 8.4698, 16.3345



0.6965, 0.3425, 0.7812

Previews

White Background



This preview shows how the XYZ color 38.1022, 32.6701, 44.8552 looks on a white background.

Color Contrast Check

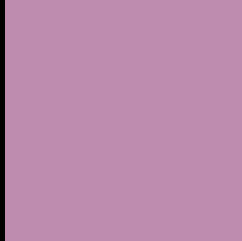
Large Text (above 18pt) WCAG AA × Fail

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 38.1022, 32.6701, 44.8552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

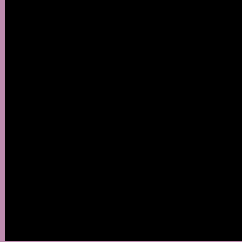
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1022, 32.6701, 44.8552

Background



This preview shows how black text looks on a background with the XYZ color 38.1022, 32.6701, 44.8552.



This preview shows how white text looks on a background with the XYZ color 38.1022, 32.6701,

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

38.1022, 32.6701, 44.8552

Protanopia

32.6018, 32.9615, 49.9913

Deuteranopia

33.5097, 32.8317, 44.1062



Tritanopia

36.1394, 32.7522, 35.4274

Trichromacy



Original Color

38.1022, 32.6701, 44.8552

Protanomaly

34.3978, 32.7236, 48.2194

Deuteranomaly

35.0870, 32.6941, 44.5057

Tritanomaly

36.8376, 32.8184, 38.5754

Monochromacy



Original Color

38.1022, 32.6701, 44.8552

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.5973, 33.7191, 40.2823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1022, 32.6701, 44.8552 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(189, 140, 175)` looks like.

```
.text, #text, p{  
    color:rgb(189, 140, 175)  
}
```

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(189, 140, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 140, 175) }
```

Border

The CSS property to change the border of an element to XYZ 38.1022, 32.6701, 44.8552 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(189, 140, 175) }
```


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

```
.border{ border-color:rgb(189, 140, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 140, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 140, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 140, 175); box-shadow:4px 4px 4px 4px rgb(189, 140, 175) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1022, 32.6701, 44.8552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 140, 175) }
```

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

```
.background{ background-color: rgb(189,  
140, 175) }
```

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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