

Converting Colors

XYZ(33.1876, 28.8398, 38.7913)

Have a look what the booklet for
XYZ(33.1876, 28.8398, 38.7913)
contains.

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Color

**XYZ(33.2198, 28.8025,
38.9305)**

Conversions

Conversions Part 1

Format	Color
Hex	B185A4
RGB	177, 133, 164
RGB Percent	69%, 52%, 64%
CMY	0.3059, 0.4784, 0.3569
CMYK	0.00, 0.25, 0.07, 0.31
HSL	318°, 22%, 61%
HSV	318°, 25%, 69%
XYZ	33.2198, 28.8025, 38.9305
YIQ	149.6900, 16.2730, 18.9690

Conversions

Conversions Part 2

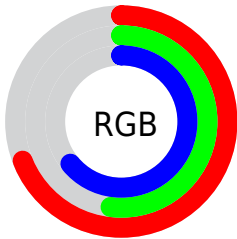
Format	Color
R _Y B	177, 133, 164
Decimal	11634084
CIE Lab	60.61, 22.00, -9.87
CIE LCh	61, 24.111, 335.834
Yxy	28.8025, 0.3291, 0.2853
Android (android.graphics.Color)	4289824164 (0xFFB185A4)
YUV	149.6900, 7.0548, 23.9509
Hunter-Lab	53.6680, 16.5703, -5.4411

Details

The XYZ color **33.2198, 28.8025, 38.9305** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **30.5845, 38.5069, 33.0164**, and the grayscale version is **28.8251, 30.3262, 33.0253**.

A 20% lighter version of the original color is **63.9494, 57.5559, 74.7567**, and **14.3301, 11.6415, 16.8210** is the 20% darker color. If you saturate the color by 10%, you get **30.5352, 24.1734, 35.7533**, and if you desaturate by 10%, it is **36.3338, 34.2586, 42.3474**.

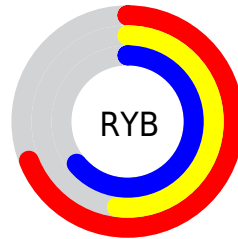
Distribution



Red (69%)

Green (52%)

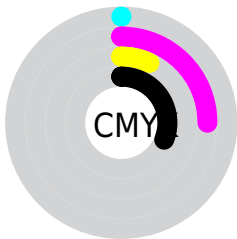
Blue (64%)



Red (69%)

Yellow (52%)

Blue (64%)

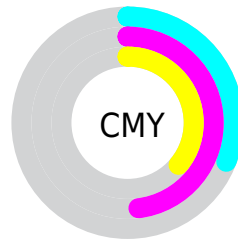


Cyan (0%)

Magenta (25%)

Yellow (7%)

Black (31%)



Cyan (31%)

Magenta (48%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2198, 28.8025, 38.9305 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 33.2198, 28.8025, 38.9305 by changing the saturation by 10% instead.

■ 33.2198, 28.8025,
38.9305

■ 33.2198, 28.8025,
38.9305

308.2865,
296.2820, 357.0121

■ 22.4549, 18.9315,
26.3982

■ 64.0709, 57.7631,
74.7513

■ 14.3100, 11.6208,
16.8934

■ 84.8879, 77.6216,
98.8769

■ 8.4197, 6.4860,
9.9973

■ 109.7862,
101.5779, 127.7041

■ 4.4187, 3.1428,
5.2916

139.1313,
130.0165, 161.6514

■ 1.9417, 1.2067,
2.3576

173.2886,
163.3218, 201.1373

■ 0.6009, 0.0672,
0.7632

212.6233,

■ 0.0000, 0.0000,

201.8782, 246.5803

0.0000

257.5008,
246.0702, 298.3991

■ 33.2198, 28.8025,
38.9305

■ 33.2198, 28.8025,
38.9305

■ 30.5352, 24.1734,
35.7533

■ 36.3338, 34.2586,
42.3474

■ 28.2569, 20.3265,
32.8058

■ 39.8940, 40.5760,
46.0096

■ 26.3632, 17.2185,
30.0802

■ 43.9193, 47.7917,
49.9249

■ 24.8294, 14.8003,
27.5669

■ 48.4266, 55.9395,
54.1001

■ 23.6279, 13.0170,
25.2554

■ 53.4323, 65.0513,
58.5415

■ 22.7266, 11.8051,
23.1341

■ 58.9515, 75.1575,
63.2554

■ 22.0868, 11.0873,
21.1885

■ 64.3885, 85.0659,
68.0442

■ 21.8142, 10.8202,
20.2409

■ 65.0128, 85.3157,
71.3320

■ 65.6583, 85.5739,
74.7312

Harmonies

Analogous

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



31.0389, 28.8025, 47.4470



33.2198, 28.8025, 38.9305



33.7855, 28.8025, 29.6475

Triad

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



33.2198, 28.8025, 38.9305



26.7709, 28.8025, 17.1904



22.7963, 28.8025, 42.5285

Complementary

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



33.2198, 28.8025, 38.9305



30.5845, 38.5069, 33.0164

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.



21.8330, 28.8025, 33.1393



33.2198, 28.8025, 38.9305



24.0131, 28.8025, 19.3963

Square

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



33.2198, 28.8025, 38.9305



29.9050, 28.8025, 18.1565



22.2610, 28.8025, 24.8424



24.9936, 28.8025, 49.7850

Rectangle

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



33.2198, 28.8025, 38.9305



33.1359, 28.8025, 24.4565



22.2610, 28.8025, 24.8424



22.3253, 28.8025, 39.4562

Sweetspot

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



33.2207, 28.8038, 38.9311



69.9336, 69.9708, 80.8776



28.0840, 26.0131, 45.1362



15.0739, 15.0183, 17.4445



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.2207, 28.8038, 38.9311



56.6847, 46.7192, 66.4533



31.4426, 28.0926, 29.5682



8.7409, 8.6031, 10.1340



15.8326, 7.8506, 14.8102



0.5222, 0.2566, 0.5928

Inverse Universe

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



33.2207, 28.8038, 38.9311



56.6847, 46.7192, 66.4533



32.4142, 39.2388, 42.6520



8.7409, 8.6031, 10.1340



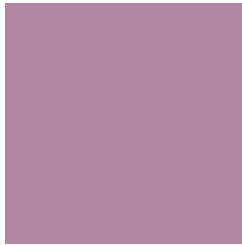
15.8326, 7.8506, 14.8102



0.5222, 0.2566, 0.5928

Previews

White Background



This preview shows how the XYZ color 33.2198, 28.8025, 38.9305 looks on a white background.

Color Contrast Check

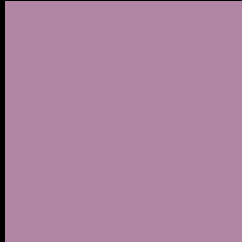
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2198, 28.8025, 38.9305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

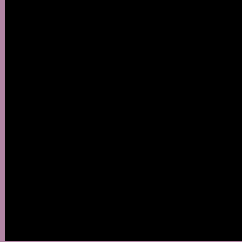
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2198, 28.8025, 38.9305

Background



This preview shows how black text looks on a background with the XYZ color 33.2198, 28.8025, 38.9305.



This preview shows how white text looks on a background with the XYZ color 33.2198, 28.8025,

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

33.2198, 28.8025, 38.9305

Protanopia

28.5563, 28.8921, 43.1014

Deuteranopia

29.3315, 28.7269, 38.1813



Tritanopia

31.7498, 28.8289, 31.4949

Trichromacy



Original Color

33.2198, 28.8025, 38.9305

Protanomaly

30.0127, 28.7844, 41.5102

Deuteranomaly

30.7438, 28.7910, 38.5872

Tritanomaly

32.3182, 28.8580, 34.0038

Monochromacy



Original Color

33.2198, 28.8025, 38.9305

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.3869, 29.7867, 35.1582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2198, 28.8025, 38.9305 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(177, 133, 164)` looks like.

```
.text, #text, p{  
    color:rgb(177, 133, 164)  
}
```

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(177, 133, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 133, 164) }
```

Border

The CSS property to change the border of an element to XYZ 33.2198, 28.8025, 38.9305 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(177, 133, 164) }
```


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

```
.border{ border-color:rgb(177, 133, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 133, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 133, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 133, 164);  
box-shadow:4px 4px 4px 4px rgb(177, 133,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2198, 28.8025, 38.9305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 133, 164) }
```

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

```
.background{ background-color: rgb(177,  
133, 164) }
```

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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