

Converting Colors

XYZ(38.8877, 33.0984, 36.2858)

Have a look what the booklet for
XYZ(38.8877, 33.0984, 36.2858)
contains.

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Color

**XYZ(38.8716, 33.0417,
36.2272)**

Conversions

Conversions Part 1

Format	Color
Hex	C78B9D
RGB	199, 139, 157
RGB Percent	78%, 55%, 62%
CMY	0.2196, 0.4549, 0.3843
CMYK	0.00, 0.30, 0.21, 0.22
HSL	342°, 35%, 66%
HSV	342°, 30%, 78%
XYZ	38.8716, 33.0417, 36.2272
YIQ	158.9920, 29.9820, 18.3180

Conversions

Conversions Part 2

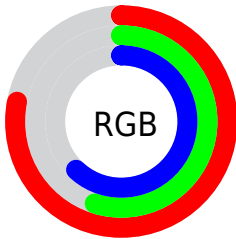
Format	Color
R_{YB}	199, 139, 157
Decimal	13077405
CIE _{Lab}	64.19, 25.47, -0.32
CIE _{LCh}	64, 25.473, 359.280
Yxy	33.0417, 0.3595, 0.3055
Android (android.graphics.Color)	4291267485 (0xFFC78B9D)
YUV	158.9920, -0.9821, 35.0870
Hunter-Lab	57.4819, 20.1156, 2.8706

Details

The XYZ color **38.8716, 33.0417, 36.2272** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **39.4128, 49.6728, 51.2291**, and the grayscale version is **32.9466, 34.6623, 37.7473**.

A 20% lighter version of the original color is **72.0678, 64.1031, 70.2028**, and **17.5928, 13.9493, 15.4009** is the 20% darker color. If you saturate the color by 10%, you get **35.1259, 27.3461, 29.4414**, and if you desaturate by 10%, it is **43.2793, 39.8435, 43.9035**.

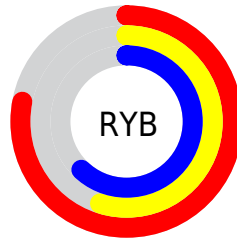
Distribution



Red (78%)

Green (55%)

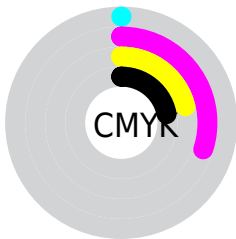
Blue (62%)



Red (78%)

Yellow (55%)

Blue (62%)

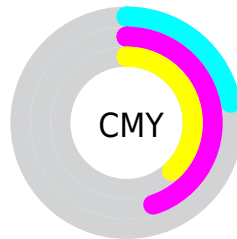


Cyan (0%)

Magenta (30%)

Yellow (21%)

Black (22%)



Cyan (22%)


Magenta (45%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8716, 33.0417, 36.2272 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 38.8716, 33.0417, 36.2272 by changing the saturation by 10% instead.


 38.8716, 33.0417,
36.2272


 38.8716, 33.0417,
36.2272


332.5609,
315.8376, 345.0199


 26.8401, 22.1584,
24.3186


 72.7375, 64.4406,
70.5556

 17.5892, 13.9733,
15.3558


 95.3025, 85.7250,
93.8125

 10.7533, 8.1021,
8.9201


 122.1096,
111.2453, 121.6893

 5.9673, 4.1604,
4.5930

153.5238,
141.3857, 154.6044

 2.8657, 1.7637,
1.9560

189.9108,
176.5308, 192.9765

 1.0831, 0.4644,
0.5280

231.6357,

 0.0109, 0.0000,

217.0649, 237.2241

0.0000

279.0639,
263.3723, 287.7657

■ 0.0000, 0.0000,
0.0000

■ 38.8716, 33.0417,
36.2272

■ 38.8716, 33.0417,
36.2272

■ 35.1259, 27.3461,
29.4414

■ 43.2793, 39.8435,
43.9035

■ 32.0063, 22.6934,
23.5107

■ 48.3768, 47.8013,
52.4999

■ 29.4778, 19.0208,
18.4002


■ 54.1938, 56.9674,
62.0469


■ 27.5007, 16.2569,
14.0717


■ 60.7573, 67.3896,
72.5730


■ 26.0300, 14.3204,
10.4833


■ 68.0928, 79.1129,
84.1056

 25.0129, 13.1152,
7.5889

 75.1288, 89.9884,
96.3055

 24.3607, 12.4651,
5.3543

 77.2857, 90.8511,
107.6637

 77.3633, 90.8822,
108.0723

Harmonies

Analogous

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



37.7599, 33.0417, 47.1203



38.8716, 33.0417, 36.2272



37.8586, 33.0417, 27.1019

Triad

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



38.8716, 33.0417, 36.2272



28.1304, 33.0417, 21.2710



27.9903, 33.0417, 55.9207

Complementary

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



38.8716, 33.0417, 36.2272



39.4128, 49.6728, 51.2291

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.



25.7302, 33.0417, 46.6042



38.8716, 33.0417, 36.2272



25.8067, 33.0417, 26.7452

Square

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



38.8716, 33.0417, 36.2272



31.4925, 33.0417, 19.5322



24.9618, 33.0417, 35.7275



31.3180, 33.0417, 59.7467

Rectangle

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



38.8716, 33.0417, 36.2272



36.1556, 33.0417, 22.9129



24.9618, 33.0417, 35.7275



27.0901, 33.0417, 53.2491

Sweetspot

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



38.8725, 33.0432, 36.2279



85.6809, 85.2295, 93.5453



38.5987, 32.4142, 58.2553



18.0365, 17.7675, 19.5194



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.



38.8725, 33.0432, 36.2279



63.7476, 51.2754, 55.6752



39.2811, 36.1410, 29.3336



10.7626, 10.6884, 11.7333



15.6986, 8.0290, 3.6228



0.7759, 0.3932, 0.3428

Inverse Universe

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



38.8725, 33.0432, 36.2279



63.7476, 51.2754, 55.6752



38.7278, 45.1542, 60.7075



10.7626, 10.6884, 11.7333



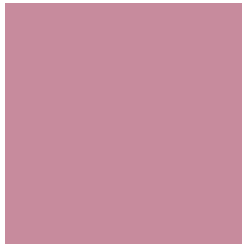
15.6986, 8.0290, 3.6228



0.7759, 0.3932, 0.3428

Previews

White Background



This preview shows how the XYZ color 38.8716, 33.0417, 36.2272 looks on a white background.

Color Contrast Check

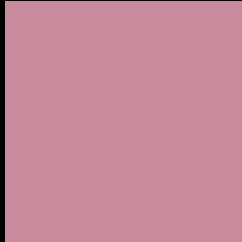
Large Text (above 18pt) WCAG AA × Fail

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 38.8716, 33.0417, 36.2272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

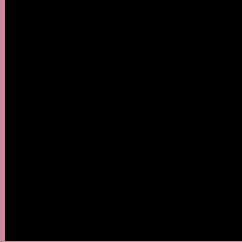
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8716, 33.0417, 36.2272

Background



This preview shows how black text looks on a background with the XYZ color 38.8716, 33.0417, 36.2272.



This preview shows how white text looks on a background with the XYZ color 38.8716, 33.0417,

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

38.8716, 33.0417, 36.2272

Protanopia

32.3146, 33.2638, 40.7938

Deuteranopia

33.7776, 33.1577, 35.6302



Tritanopia

38.2527, 32.9963, 33.6309

Trichromacy



Original Color

38.8716, 33.0417, 36.2272

Protanomaly

34.3716, 32.9099, 39.1910

Deuteranomaly

35.4905, 33.0915, 35.9692

Tritanomaly

38.4166, 33.0618, 34.4938

Monochromacy



Original Color

38.8716, 33.0417, 36.2272

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.8554, 33.9238, 37.0586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8716, 33.0417, 36.2272 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(199, 139, 157)` looks like.

```
.text, #text, p{  
    color:rgb(199, 139, 157)  
}
```

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(199, 139, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 139, 157) }
```

Border

The CSS property to change the border of an element to XYZ 38.8716, 33.0417, 36.2272 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(199, 139, 157) }
```


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

```
.border{ border-color:rgb(199, 139, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 139, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 139, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 139, 157);  
box-shadow:4px 4px 4px 4px rgb(199, 139,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8716, 33.0417, 36.2272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 139, 157) }
```

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

```
.background{ background-color: rgb(199,  
139, 157) }
```

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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