

Converting Colors

XYZ(38.3810, 33.8828, 29.9495)

Have a look what the booklet for
XYZ(38.3810, 33.8828, 29.9495)
contains.

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Color

**XYZ(38.2581, 33.7400,
30.0872)**

Conversions

Conversions Part 1

Format	Color
Hex	C78F8E
RGB	199, 143, 142
RGB Percent	78%, 56%, 56%
CMY	0.2196, 0.4392, 0.4431
CMYK	0.00, 0.28, 0.29, 0.22
HSL	1°, 34%, 67%
HSV	1°, 29%, 78%
XYZ	38.2581, 33.7400, 30.0872
YIQ	159.6300, 33.6970, 11.5610

Conversions

Conversions Part 2

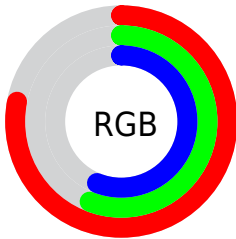
Format	Color
R _Y B	199, 143, 142
Decimal	13078414
CIE Lab	64.76, 21.09, 8.97
CIE LCh	65, 22.916, 23.032
Yxy	33.7400, 0.3748, 0.3305
Android (android.graphics.Color)	4291268494 (0xFFC78F8E)
YUV	159.6300, -8.6916, 34.5275
Hunter-Lab	58.0861, 15.9172, 9.9495

Details

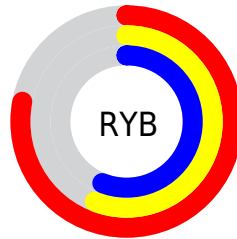
The XYZ color **38.2581, 33.7400, 30.0872** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **41.6575, 50.2608, 61.5387**, and the grayscale version is **33.2719, 35.0047, 38.1201**.

A 20% lighter version of the original color is **71.1701, 65.1780, 61.0541**, and **17.2605, 14.3563, 11.9865** is the 20% darker color. If you saturate the color by 10%, you get **34.2119, 27.8290, 22.0135**, and if you desaturate by 10%, it is **43.0842, 40.7837, 39.7376**.

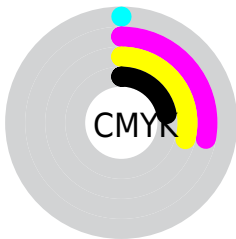
Distribution



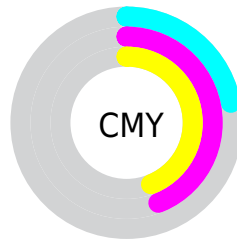
- Red (78%)
- Green (56%)
- Blue (56%)



- Red (78%)
- Yellow (56%)
- Blue (56%)



- Cyan (0%)
- Magenta (28%)
- Yellow (29%)
- Black (22%)





- Cyan (22%)
- Magenta (44%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2581, 33.7400, 30.0872 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 38.2581, 33.7400, 30.0872 by changing the saturation by 10% instead.


 38.2581, 33.7400,
30.0872


 38.2581, 33.7400,
30.0872


329.9876,
318.9712, 316.5306


 26.3612, 22.6939,
19.6522


 71.8049, 65.5291,
60.8627

 17.2281, 14.3677,
11.9609

 94.1855, 87.0410,
82.0402

 10.4936, 8.3768,
6.5948

 120.7914,
112.8103, 107.6357

 5.7922, 4.3370,
3.1355

151.9880,
143.2213, 138.0676

 2.7586, 1.8638,
1.1642

188.1405,
178.6585, 173.7545

 1.0274, 0.5265,
0.0000

229.6144,

 0.0000, 0.0000,

219.5063, 215.1150

0.0000

276.7750,
266.1490, 262.5675

■ 38.2581, 33.7400,
30.0872

■ 38.2581, 33.7400,
30.0872

■ 34.2119, 27.8290,
22.0135

■ 43.0842, 40.7837,
39.7376

■ 30.9024, 22.9872,
15.4309

■ 48.7254, 49.0098,
51.0400

■ 28.2858, 19.1521,
10.2487

■ 55.2178, 58.4709,
64.0674

■ 26.3130, 16.2528,
6.3656

■ 62.5947, 69.2148,
78.8879

■ 24.9284, 14.2094,
3.6666

■ 70.8874, 81.2871,
95.5659

■ 24.0669, 12.9283,
2.0167

■ 77.3632, 90.8821,
108.0723

■ 23.6349, 12.2817,
1.2025

■ 23.5913, 12.2182,
1.1150

Harmonies

Analogous

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



38.7757, 33.7400, 38.9819



38.2581, 33.7400, 30.0872



36.0306, 33.7400, 24.0663

Triad

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



38.2581, 33.7400, 30.0872



27.2698, 33.7400, 26.8726



31.3066, 33.7400, 57.8447

Complementary

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



38.2581, 33.7400, 30.0872



41.6575, 50.2608, 61.5387

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.



28.4087, 33.7400, 53.2197



38.2581, 33.7400, 30.0872



26.1837, 33.7400, 34.5802

Square

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



38.2581, 33.7400, 30.0872



29.6540, 33.7400, 22.4444



26.5859, 33.7400, 44.3011



34.6114, 33.7400, 56.0870

Rectangle

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



38.2581, 33.7400, 30.0872



33.9530, 33.7400, 21.9751



26.5859, 33.7400, 44.3011



30.2557, 33.7400, 56.9618

Sweetspot

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



38.2590, 33.7416, 30.0879



84.7972, 85.0583, 88.3298



43.4252, 35.5680, 58.0330



17.8205, 17.7255, 18.2455



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.



38.2590, 33.7416, 30.0879



62.6782, 52.7831, 44.0771



43.0840, 43.3915, 31.6962



10.6486, 10.6663, 11.0603



15.1764, 7.8701, 0.7192



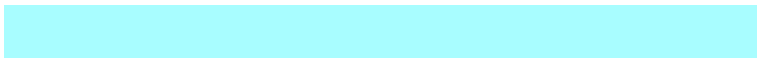
0.7240, 0.3833, 0.0358

Inverse Universe

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



41.6575, 50.2608, 61.5387



69.5371, 86.1272, 107.5670



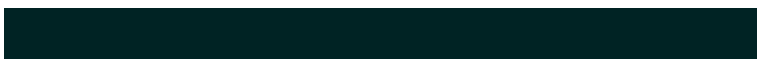
35.7549, 38.4556, 59.5711



10.9301, 12.0342, 13.6643



19.2561, 27.9060, 39.1159



0.9170, 1.3318, 1.8539

Previews

White Background



This preview shows how the XYZ color 38.2581, 33.7400, 30.0872 looks on a white background.

Color Contrast Check

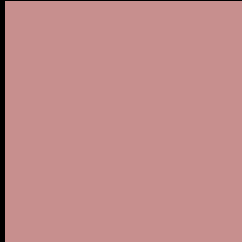
Large Text (above 18pt) WCAG AA × Fail

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 38.2581, 33.7400, 30.0872 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 38.2581, 33.7400, 30.0872

Background



This preview shows how black text looks on a background with the XYZ color 38.2581, 33.7400, 30.0872.



This preview shows how white text looks on a background with the XYZ color 38.2581, 33.7400,

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

38.2581, 33.7400, 30.0872

Protanopia

32.3821, 33.9653, 33.2830

Deuteranopia

34.5523, 33.9336, 29.5397



Tritanopia

39.0118, 33.5961, 34.1343

Trichromacy



Original Color

38.2581, 33.7400, 30.0872

Protanomaly

34.0957, 33.6458, 31.8914

Deuteranomaly

35.8049, 33.8571, 29.8473

Tritanomaly

38.8377, 33.7635, 32.4870

Monochromacy



Original Color

38.2581, 33.7400, 30.0872

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.7609, 34.4098, 34.9466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2581, 33.7400, 30.0872 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, 143, 142)` looks like.

```
.text, #text, p{  
    color:rgb(199, 143, 142)  
}
```

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, 143, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 143, 142) }
```

Border

The CSS property to change the border of an element to XYZ 38.2581, 33.7400, 30.0872 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, 143, 142) }
```


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

```
.border{ border-color:rgb(199, 143, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 143, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 143, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 143, 142);  
box-shadow:4px 4px 4px 4px rgb(199, 143,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2581, 33.7400, 30.0872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 143, 142) }
```

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

```
.background{ background-color: rgb(199,  
143, 142) }
```

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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